

Curriculum Vitae

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Ottawa | CANADA

INTERDISCIPLINARY SCIENTIST

(Physics, biogeochemistry, measurement science, statistical analysis, health and medicine, epidemiology, environmental science, social theory, pedagogy)

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CREDENTIALS AND EXPERIENCE

EDUCATION

- 1985-1986 **PDF Physics** (NSERC of Canada post-doctoral scholar)
Leiden University, The Netherlands
- 1984-1985 **PDF Chemistry** (NSERC of Canada post-doctoral scholar)
Centre de recherche Paul Pascal, Talence, France
- 1981-1984 **PhD Physics**
University of Toronto
- 1980-1981 **MSc Physics**
University of Toronto
- 1976-1980 **BSc Physics (*magna cum laude*)**
University of Ottawa (to 1979)

RESEARCH AND TEACHING EXPERIENCE

- 1986-1987 **PDF and Teacher**
Physics, University of Ottawa
- 1987-1992 **Assistant Professor and national NSERC University Research Fellow**
Physics, University of Ottawa
- 1992-1997 **Associate Professor**
Physics, and Earth Sciences, University of Ottawa
- 1997-2009 **Full Professor**
Physics, and Earth Sciences, University of Ottawa
- 2009- **Freelance interdisciplinary researcher, invited lecturer**
- 2014- **Researcher (volunteer position)**
Ontario Civil Liberties Association (Corp., Ontario)
- 2022- **Chair-Director, Researcher (volunteer position)**
Correlation Research in the Public Interest (Non-profit Corp., Ontario)

HONOURS and AWARDS

- 1987-1992 National (Canada) NSERC (Natural Sciences and Engineering Research Council)
University Research Fellow (held at the University of Ottawa)
- 1984-1986 NSERC of Canada Post-Doctoral Scholar (international tenure)
- 1980-1984 NSERC Graduate Scholarship

ACADEMIC SUPERVISION OF RESEARCHERS AND RESEARCH STUDENTS

(Numbers of individuals supervised, 1987-2009)

Sabbatical/research-leave researchers hosted	8
Visiting Scholars hosted	2
PDF (Post-Doctoral Fellows) supervised	14
PhD (candidates) supervised	13 (incl. 5 co-supervised)
MSc (candidates) supervised	14 (incl. 1 co-supervised)
BSc-research students supervised	> 30

(I taught to more than 2000 undergraduate students in regular courses, 1987-2009.)
(Several of my former graduate students became professors and professional scientists.)

COMPETITIVE RESEARCH-FUNDING AWARDS

- 1987-2009 • Successful in thirty seven (37) funding and contract competitions, as principle investigator and group leader, including uninterrupted NSERC Discovery Grant funding
- Obtained the largest NSERC Strategic Project Grant that had ever been granted in the Faculty of Science, University of Ottawa. The project was for environmental science (experimental and theoretical biogeochemistry of boreal forest lake sediments in 100 lakes).

AREAS OF RESEARCH

- Health science and public health policy
- Epidemiology (chronic diseases, emerging diseases, transmissible diseases)
- Environmental science and biogeochemistry, including soil science
- Climate science and planetary radiation-balance physics
- Measurement theory (diffraction, spectroscopy, magnetometry, microscopy)
- Condensed matter physics (theory and experiment)
- Pedagogy (general) and Physics/Science Education

- Social and political theory

AREAS OF UNIVERSITY TEACHING

- Introductory University Physics (all topics, all streams)
- Advanced Undergraduate Physics (condensed matter, statistical physics, measurement, environmental physics, climate physics)
- Graduate Physics Courses (measurement theory, condensed matter physics)
- Graduate Science Course (measurement theory and practice, all scientific and engineering disciplines)
- Undergraduate and Graduate Environmental Science and Policy
- Undergraduate and Graduate Social Science (theory of social change, institutional studies, health studies, public policy, legal system studies, science and technology)

SCIENTIFIC ACCOMPLISHMENTS (including collaborative work)

- Quantitative assessments of counterfactual models of vaccine benefits
- Medical hypothesis of respiratory epidemics and pandemics without viral transmission
- Geographical and temporal high-resolution test of the global viral spread hypothesis of COVID-19
- Epidemiology from temporal all-cause mortality (by administrative jurisdiction, age, sex, place of death, vaccination status), in relation to socio-economic, regulatory, and underlying health factors
- Age-dependent health associations and toxicity of vaccine injections, from temporal adverse-effect data, and from epidemiological data
- Relation between individual health and societal dominance hierarchy (stress-response stabilization of social dominance hierarchy)
- Theoretical model of neoplastic cancer (neoplasm genesis, growth, treatment)
- Theoretical epidemiology of frailty-based social segregation during epidemics
- Theoretical epidemiology of vaccination-status-based social segregation during epidemics
- Fe-cycle bio-physico-chemistry in soils and aquatic sediments, and synthetic analogues
- Advances in Invar physics (materials science, metallurgy)
- Advances in crystal chemistry (Fe-oxyhydroxides, layer silicates)
- Co-discovery of the meteoritic mineral “antitaenite”
- Co-discovery of the nano-magnetic phenomenon “superferromagnetism”
- Crystal-chemistry, genesis, occurrence and reactivity of environmental nanoparticles (nanogoethite, ferrihydrite, oxyhydroxides, phosphates, micro-magnetite...)
- Advances in the theory and methodology of Mössbauer spectroscopy (hyperfine nuclear spectroscopy)
- Advances in the theory of quantitative X-ray diffraction for nano-phases and nanoparticles

- Advances in the theory of quantitative materials magnetometry
- Radiation-balance physics of planetary surface temperature and climate science
- Geopolitics of economic globalization and state ideologies
- Conceptual model of state or empire collapse
- Bi-modal bio-psychological state model of individuals in a social dominance hierarchy (essays)

SCIENTIFIC PUBLICATIONS

- More than 100 peer-reviewed scientific articles and book-chapters
- Scientific articles cited >7000 times
- h -index = 41 (h_{10} -index = 93) (<https://en.wikipedia.org/wiki/H-index>)
- Google Scholar profile: <http://scholar.google.ca/citations?user=1ChsRsQAAAAJ>
- ORCID profile: <https://orcid.org/0000-0002-6252-7743> (155 listed works)

KEYNOTE/INVITED AND PLENARY-INVITED SPEAKER AT CONFERENCES

- >40 invited talks at international scientific conferences
- many invited talks at non-scientific conferences and meetings organized by civil society and political representatives

MEDIA INTERVIEWS

- Frequent media commentator. Medical, political and social theory articles and interviews are published in many venues.
- Recent video interviews and reporting videos about the science of the COVID-19 epidemic and the science of face masks for preventing viral respiratory diseases were viewed more than 2 million times, in both French and English, up to 2022. (<https://denisrancourt.ca/page.php?id=12&name=videos>)
- Many media articles and reports about our work and research findings, >100 reports and mentions, including in national newspapers

NON-SCIENCE-JOURNAL PUBLICATIONS

- Many social commentary essays and media interviews
- Contributor at *Dissident Voice*: <https://thedissidentvoice.org/author/denisrancourt/>
- Substack page: <https://denisrancourt.substack.com/>
- Hosted and produced a weekly campus radio show for eight years 2005-2013
- *Hierarchy and free expression in the fight against racism*, book, Stairway Press, 2013 (ISBN 978-0-9859942-8-0)

ADMINISTRATIVE EXPERIENCE

- Significant academic committees, large research group lead-scientist and supervisor, steering committee of international conference, 1987-2009
- Chair-Director, Correlation Research in the Public Interest (Non-profit Corp., Ontario), 2022-

LITIGATION EXPERIENCE AS SELF-REPRESENTED CLAIMANT OR AS EXPERT WITNESS

- Several (5) applications: Ontario Labour Relations Board.
- Several (>20) appeal and judicial review applications of access-to-information decisions, Ontario.
- Several (3) reviews and appeals of bylaw decisions (one won on appeal).
- Won a major disciplinary law decision (medical ethics), Quebec [2022 QCCDMD 3 (CanLII); 2022 QCCDMD 20 (CanLII)]. Upheld in its entirety on appeal: 2024 QCTP 54 (CanLII).
- A three-member health regulatory tribunal unanimously ruled me to be a qualified expert witness in the areas of “epidemiology” and “vaccine toxicity”, 2024, Quebec.
- Epidemiology expertise never denied in a court or tribunal.

AWARDED SCIENTIFIC RESEARCH FUNDING, SCHOLARLY PROFESSIONAL ACTIVITIES, SIGNIFICANT ACADEMIC COMMITTEES (WHILE AT THE UNIVERSITY OF OTTAWA, 1987-2009):

- SEE APPENDIX 1: TO THIS CV

PART I: HEALTH, MEDICINE, EPIDEMIOLOGY, COVID-19

CORRELATION Research in the Public Interest reports and articles are listed here:
<https://correlation-canada.org/research/> (SEE APPENDIX 2 TO THIS CV)

OCLA's reports and articles related to COVID-19 are listed here:
<https://ocla.ca/covid/> (SEE APPENDIX 3 TO THIS CV)

Relevant items for PART-I include the following.
(Numbering of items is the same as that used in PART-II.)

Research Reports (including recent peer-reviewed journal articles)

(Several of these articles have been translated and re-published in other languages.)

84. Rancourt DG. **"Cancer arises from stress-induced breakdown of tissue homeostasis"**. *archive.org*, 30 November 2015 (25 pages),
<https://archive.org/details/DGRArticleOnNewCancerModel2/mode/1up> | Also published at: *Dissident Voice* (in 4 parts), and *archive.today*. | Rancourt, D. G. (2015). Cancer arises from stress-induced breakdown of tissue homeostasis. Zenodo.
<https://doi.org/10.5281/zenodo.17196793>
88. Rancourt DG. **"Masks Don't Work - A review of science relevant to COVID-19 social policy"**. *ResearchGate*, 11 April 2020 (13 pages), DOI: 10.13140/RG.2.2.14320.40967/1. (Read >400K times on RG) | Archived here: <https://archive.ph/RuA5z> | Republished by CORRELATION: <https://correlation-canada.org/masks-don-t-work-2020/> | Also published at: viXra.org, River Cities' Reader. | Rancourt, D. G. (2020). Masks Don't Work: A review of science relevant to COVID-19 social policy. Zenodo.
<https://doi.org/10.5281/zenodo.17196605> | Article debated at Digi-Debates "The Face Mask Debate", <https://www.bitchute.com/video/6YNCrmPKM16e/> (First published on YouTube). | This article has been cited in: Blaylock RL. "COVID UPDATE: What is the truth?". *Surgical Neurology International* 22-Apr-2022;13:167.
https://doi.org/10.25259/2FSNI_150_2022
89. Rancourt DG. **"Criticism of Government Response to COVID-19 in Canada"**. Ontario Civil Liberties Association, 18 April 2020 (13 pages), OCLA Report 2020-1 | April 2020,
<https://ocla.ca/wp-content/uploads/2014/01/OCLA-Report-2020-1-Criticism-of-Government-Response-to-COVID19.pdf> | Rancourt, D. G. (2020). Criticism of

Government Response to COVID-19 in Canada. Zenodo.

<https://doi.org/10.5281/zenodo.17990338>

90. Rancourt DG. **“All-cause mortality during COVID-19 — No plague and a likely signature of mass homicide by government response”**. *ResearchGate*, 2 June 2020 (26 pages), <http://dx.doi.org/10.13140/RG.2.2.24350.77125> (Read >200K times on RG) | Archived: https://web.archive.org/web/20201114012609/https://www.researchgate.net/publication/341832637_All-cause_mortality_during_COVID-19_No_plague_and_a_likely_signature_of_mass_homicide_by_government_response | Republished by CORRELATION: <https://correlation-canada.org/no-plague-mass-homicide-2020/> | Rancourt, D. G. (2020). All-cause mortality during COVID-19: No plague and a likely signature of mass homicide by government response. Zenodo. <https://doi.org/10.5281/zenodo.17196019> | Article featured at doctors4covidethics.org.
91. Rancourt DG. **“Face masks, lies, damn lies, and public health officials: ‘A growing body of evidence’”**. *ResearchGate*, 3 August 2020 (36 pages), <http://dx.doi.org/10.13140/RG.2.2.25042.58569> | Archived: https://web.archive.org/web/20201204024255/https://www.researchgate.net/publication/343399832_Face_masks_lies_damn_lies_and_public_health_officials_A_growing_body_of_evidence | Archived: <https://archive.ph/BjUhB>
92. Rancourt DG, Baudin M, Mercier J. **“Evaluation of the virulence of SARS-CoV-2 in France, from all-cause mortality 1946-2020”**. *ResearchGate*, 20 August 2020 (38 pages), <http://dx.doi.org/10.13140/RG.2.2.16836.65920/1> | Archived: https://web.archive.org/web/20201204024158/https://www.researchgate.net/publication/343775235_Evaluation_of_the_virulence_of_SARS-CoV-2_in_France_from_all-cause_mortality_1946-2020 | Archived: <https://archive.ph/gI0wv>
93. Rancourt DG. **“Measures do not prevent deaths, transmission is not by contact, masks provide no benefit, vaccines are inherently dangerous: Review update of recent science relevant to COVID-19 policy”**. *ResearchGate*, 28 December 2020 (26 pages), DOI: 10.13140/RG.2.2.21706.18885 | Archived: <https://archive.ph/F5xqy> | Archived: https://web.archive.org/web/20210101003003/https://www.researchgate.net/publication/347964673_Measures_do_not_prevent_deaths_transmission_is_not_by_contact_masks_provide_no_benefit_vaccines_are_inherently_dangerous_Review_update_of_recent_science_relevant_to_COVID-19_policy
94. Rancourt DG. **“Analysis of the scientific basis for Ontario, Canada’s mandatory face masking and physical distancing law, 2020”**. Ontario Civil Liberties Association, 6 February 2021 (24 pages), OCLA Report 2021-1 | February 2021, <https://ocla.ca/ocla->

[report-2021-1-ontarios-mandatory-face-masking-and-physical-distancing-law-reg-36420/](#) | Archived: https://web.archive.org/web/20240327050112/https://denisrancourt.ca/entries.php?id=14&name=2021_02_06_report_analysis_of_the_scientific_basis_for_ontario_canada_rsquo_mandatory_face_masking_and_physical_distancing_law_2020

95. Rancourt DG. **“Review of scientific reports of harms caused by face masks, up to February 2021”**. *ResearchGate*, 22 February 2021 (25 pages), DOI: 10.13140/RG.2.2.14294.37448 | Archived here: <https://archive.ph/OL5ji> | Wayback Machine: https://web.archive.org/web/20210224001118/https://www.researchgate.net/publication/349518677_Review_of_scientific_reports_of_harms_caused_by_face_masks_up_to_February_2021 | Also published at sherbournesite.org
96. Rancourt DG. **“Glyphosate should be banned, not increased [Response to HC-PMRA invitation to submit written comments: Proposed Maximum Residue Limit - PMRL2021-10 - Glyphosate - 6 May 2021]”**. Ontario Civil Liberties Association, 16 July 2021 (23 pages), <https://ocla.ca/letter-to-health-canada-calling-for-ban-on-glyphosate/> | <https://ocla.ca/wp-content/uploads/2021/07/2021-07-DGR-comments-to-Health-Canada-re-Glyphosate-4.pdf> | Rancourt, D. G. (2021). Glyphosate should be Banned, Not Increased. Zenodo. <https://doi.org/10.5281/zenodo.18001143> | Archived: <https://archive.org/details/2021-07-dgr-comments-to-health-canada-re-glyphosate-4/mode/1up>
97. Rancourt DG, Baudin M, Mercier J. **“Analysis of all-cause mortality by week in Canada 2010-2021, by province, age and sex: There was no COVID-19 pandemic, and there is strong evidence of response-caused deaths in the most elderly and in young males”**. *ResearchGate*, 6 August 2021 (63 pages), <http://dx.doi.org/10.13140/RG.2.2.14929.45921> | Wayback Machine: https://web.archive.org/web/20210808231234/https://denisrancourt.ca/entries.php?id=104&name=2021_08_06_analysis_of_all_cause_mortality_by_week_in_canada_2010_2021_by_province_age_and_sex_there_was_no_covid_19_pandemic_and_there_is_strong_evidence_of_response_caused_deaths_in_the_most_elderly_and_in_young_males
98. Rancourt DG. **“Do Face Masks Reduce COVID-19 Spread in Bangladesh? Are the Abaluck et al. Results Reliable?”** *Global Research*, 20 September 2021 (23 pages), <https://www.globalresearch.ca/do-face-masks-reduce-covid-19-spread-bangladesh-abaluck-et-al-results-reliable/5756323?pdf=5756323> | Rancourt, D. G. (2021). Do Face Masks Reduce COVID-19 Spread in Bangladesh? Are the Abaluck et al. Results Reliable?. Zenodo. <https://doi.org/10.5281/zenodo.17195910> | Article featured at doctors4covidethics.org | Wayback Machine: <https://web.archive.org/web/20240127070746/https://denisrancourt.ca/entries.php?>

[id=106&name=2021_09_20_do_face_masks_reduce_covid_19_spread_in_bangladesh_are_the_abaluck_et_al_results_reliable](#)

99. Rancourt DG, Baudin M, Mercier J. **“Nature of the COVID-era public health disaster in the USA, from all-cause mortality and socio-geo-economic and climatic data”**. *ResearchGate*, 25 October 2021 (171 pages), <http://dx.doi.org/10.13140/RG.2.2.11570.32962> | Republished by *Global Research* | Wayback Machine: <https://web.archive.org/web/20240618042641/https://www.globalresearch.ca/nature-covid-era-public-health-disaster-usa-all-cause-mortality-socio-geo-economic-climatic-data/5759567> | Wayback Machine: https://web.archive.org/web/20240806071421/https://denisrancourt.ca/uploads_entries/1635189453861_USA%20ACM%20into%202021%20-%20article----12d.pdf
100. Hickey J, Rancourt DG. **“Nature of the toxicity of the COVID 19 vaccines in the USA”**. Ontario Civil Liberties Association, 9 February 2022 (14 pages), OCLA Report 2022-1 (ver. 1) | 9 February 2022, <https://ocla.ca/ocla-report-nature-of-toxicity-of-covid-19-vaccines-in-usa-version-1/> | <https://ocla.ca/wp-content/uploads/2022/02/OCLA-Report-2022-1-v1.pdf> | Archive: <https://archive.ph/LZpRj> | Archive: <https://web.archive.org/web/20240516140844/https://ocla.ca/wp-content/uploads/2022/02/OCLA-Report-2022-1-v1.pdf> | At *Research Gate*: <http://dx.doi.org/10.13140/RG.2.2.14217.93289>
101. Rancourt DG, Hickey J. **“OCLA Statement on CMAJ Fisman et al. Article Claiming Disproportionate Infection Risk from Unvaccinated Population, and on Negligent Media Reporting”**. Ontario Civil Liberties Association, 27 April 2022 (3 pages), <https://ocla.ca/ocla-statement-on-cmaj-fisman-et-al/> | <https://web.archive.org/web/20240117071217/https://ocla.ca/ocla-statement-on-cmaj-fisman-et-al/> | || **“Fisman et al.'s main conclusion does not follow from their model”**. Response to “CMAJ April 25, 2022 194 (16) E573-E580; DOI: <https://doi.org/10.1503/cmaj.212105>”. Canadian Medical Association Journal (29 April 2022): <https://www.cmaj.ca/content/194/16/E573/tab-e-letters#fisman-et-als-main-conclusion-does-not-follow-from-their-model> | <https://web.archive.org/web/20240220061756/https://www.cmaj.ca/content/194/16/E573/tab-e-letters#fisman-et-als-main-conclusion-does-not-follow-from-their-model>
102. Johnson JA, Rancourt DG. **“Evaluating the Effect of Lockdowns On All-Cause Mortality During the COVID Era: Lockdowns Did Not Save Lives”**. *ResearchGate*, 9 July 2022 (16 pages), <http://dx.doi.org/10.13140/RG.2.2.34191.46242> . Preprint. | Archive: <https://archive.ph/4JwM4> | || And published by Brownstone Institute (6 September 2022): <https://brownstone.org/articles/lockdowns-did-not-save-lives/> | || Wayback Machine: <https://web.archive.org/web/20240206121500/https://denisrancourt.ca/>

[uploads_entries/1657410826554_2022-07-09----Lockdowns%20Did%20Not%20Save%20Lives.pdf](#)

103. Rancourt DG, Baudin M, Mercier J. **“COVID-Period Mass Vaccination Campaign and Public Health Disaster in the USA: From age/state-resolved all-cause mortality by time, age-resolved vaccine delivery by time, and socio-geo-economic data”**. *ResearchGate*, 2 August 2022 (167 pages), <http://dx.doi.org/10.13140/RG.2.2.12688.28164> (Preprint; read >50K times on RG) | Alternative URL: <https://correlation-canada.org/covid-period-mass-vaccination-campaign-and-public-health-disaster-in-the-usa/> | Wayback Machine: <https://web.archive.org/web/20240705043702/https://correlation-canada.org/wp-content/uploads/2022/12/2022-08-02-COVID-period-mass-vaccination-campaign-public-health-disaster-USA.pdf>
104. Hickey J, Rancourt DG. **“Compartmental mixing models for vaccination-status-based segregation regarding viral respiratory diseases”**. *medRxiv*, 21 August 2022 (27 pages), <https://doi.org/10.1101/2022.08.21.22279035> |||
Hickey J, Rancourt DG (December 14, 2023) **“Viral Respiratory Epidemic Modeling of Societal Segregation Based on Vaccination Status”**. *Cureus* 15(12): e50520. doi:10.7759/cureus.50520 - <https://pubmed.ncbi.nlm.nih.gov/38098739/>
106. Rancourt DG, Baudin M, Mercier J. **“Proof that Canada’s COVID-19 mortality statistics are incorrect”**. Correlation Research in the Public Interest, Correlation Brief Report 5 October 2022 (19 pages), <https://correlation-canada.org/report-proof-that-canadas-covid-19-mortality-statistics-are-incorrect/> | <https://web.archive.org/web/20240120044912/https://correlation-canada.org/wp-content/uploads/2022/10/2022-10-05-Correlation-Proof-that-Canadas-COVID-19-mortality-statistics-are-incorrect.pdf> | ResearchGate: <https://doi.org/10.13140/RG.2.2.18369.22889>
108. Rancourt DG. **“Probable causal association between India’s extraordinary April-July 2021 excess-mortality event and the vaccine rollout”**. Correlation Research in the Public Interest, *Correlation Brief Report* 6 December 2022 (18 pages), <https://correlation-canada.org/report-probable-causal-association-between-indias-extraordinary-april-july-2021-excess-mortality-event-and-the-vaccine-rollout/> | Rancourt, D. G. (2022). Probable causal association between India's extraordinary April-July 2021 excess-mortality event and the vaccine rollout. Zenodo. <https://doi.org/10.5281/zenodo.17188795> | Archive: <https://web.archive.org/web/20240328211923/https://correlation-canada.org/wp-content/uploads/2022/12/2022-12-06-Correlation-India-excess-mortality-vaccine-rollout.pdf>
109. Rancourt DG, Baudin M, Mercier J. **“Probable causal association between Australia’s new regime of high all-cause mortality and its COVID-19 vaccine rollout”**, Correlation Research in the Public Interest, *Correlation Brief Report* 20 December 2022 (47 pages),

- <https://correlation-canada.org/report-probable-causal-association-between-australias-new-regime-of-high-all-cause-mortality-and-its-covid-19-vaccine-rollout/> | ResearchGate: <https://doi.org/10.13140/RG.2.2.10638.43849> | Archive: <https://web.archive.org/web/20240818010700/https://correlation-canada.org/wp-content/uploads/2022/12/2022-12-20-Correlation-Australia-excess-mortality-vaccine-rollout.pdf>
110. Hickey J, Rancourt DG. **“Predictions from standard epidemiological models of consequences of segregating and isolating vulnerable people into care facilities”**, *medRxiv*, 5 February 2023 (79 pages), <https://www.medrxiv.org/content/10.1101/2023.02.05.23285490v1> ||| Hickey J, Rancourt DG. **“Predictions from standard epidemiological models of consequences of segregating and isolating vulnerable people into care facilities”**. *PLoS One*. 2023 Oct 30;18(10):e0293556. doi: 10.1371/journal.pone.0293556. PMID: 37903148; PMCID: PMC10615287. - <https://pubmed.ncbi.nlm.nih.gov/37903148/>
 111. Rancourt DG, Baudin M, Hickey J, Mercier J. **“Age-stratified COVID-19 vaccine-dose fatality rate for Israel and Australia”**, *Correlation Research in the Public Interest, Correlation Brief Report* 9 February 2023 (40 pages), <https://correlation-canada.org/report-age-stratified-covid-19-vaccine-dose-fatality-rate-for-israel-and-australia/> | Rancourt, D. G., Baudin, M., Hickey, J.& Mercier, J. (2023). Age-stratified COVID-19 vaccine-dose fatality rate for Israel and Australia. Zenodo. <https://doi.org/10.5281/zenodo.17188034> | Archive: <https://web.archive.org/web/20240729160809/https://correlation-canada.org/wp-content/uploads/2023/02/2023-02-09-Correlation-Age-stratified-vaccine-dose-fatality-Israel-Australia.pdf>
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125. Rancourt, DG. **“Empire, Mortality, and the Multi-Pronged Attack on Humanity”**. *Dissident Voice*, 30 December 2025, report and transcript of an interview.

<https://thedissidentvoice.org/2025/12/empire-mortality-and-the-multi-pronged-attack-on-humanity/> | Archive: <https://archive.ph/cjtAu> | Rancourt, D. G. (2025). Empire,

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128. Rancourt, DG. **“Eight pivotal facts about Covid-period excess mortality”**.

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Selected Essays

130. Rancourt DG. **“Some Big Lies of Money, Medicine and Science”**. *NEXUS*, August-September 2010, pp. 1-5. | Archived: <https://archive.org/details/2010SomeBigLiesScienceNEXUS.Rancourt.draft2/mode/1up> | <https://nexusmagazine.com/product/some-big-lies-of-money-medicine-and-science/>

133. Rancourt DG. **“A Theory of Chronic Pain - A social and evolutionary theory of human disease and chronic pain”**. *Dissident Voice*, 26 December 2011, <https://thedissidentvoice.org/2011/12/a-theory-of-chronic-pain/> | Rancourt, D. G. (2011). A Theory of Chronic Pain - A social and evolutionary theory of human disease and chronic pain. Zenodo. <https://doi.org/10.5281/zenodo.20102709>

134. Rancourt DG. **"Self-Image-Incongruence Theory of Individual Health"**. *Dissident Voice*, 26 October 2014, <https://thedissidentvoice.org/2014/10/self-image-incongruence-theory-of-individual-health/> | Rancourt, D. G. (2014). Self-Image-Incongruence Theory of Individual Health. Zenodo. <https://doi.org/10.5281/zenodo.20102545>

Invited plenary, keynote and special sessions talks or panels at regional, national, and international conferences (no paper)

216. Rancourt DG. **"From Masking to Mortality Rates: COVID-19 and What the Science Tells Us"**. Invited plenary speaker in the session: "Show Us the Science", National Vaccine Information Center (NVIC)'s Fifth International Public Conference on Vaccination (3 days in October 2020), 16 October 2020 (39 minutes).
217. Rancourt DG. **"The False Pandemic"**. Invited plenary talk at: Gold Standard Covid Science in Practice: An Interdisciplinary Symposium (2 days, >20 speakers), 29 July 2021 (20 minutes), organized by Doctors for Covid Ethics, hosted by UK Column.
218. Rancourt DG. **"Realities of Health"**. Invited special session talk at: International Crisis Summit IV (ICS4) (3 days, >50 speakers), 17 November 2023 (20 minutes), Bucharest, Romania. <https://rumble.com/v3x6q0o-denis-rancourt-realities-of-health-very-interesting.html> .
219. Rancourt DG. **"All-cause mortality worldwide and Romania"**. Invited plenary talk at: International Crisis Summit IV (ICS4) (3 days, >50 speakers), 18 November 2023 (25 minutes), Parliament, Bucharest, Romania. <https://rumble.com/v3xza31-denis-rancourt-at-ics4-all-cause-mortality-worldwide-and-romania-18-nov-2023.html> | Rancourt, D. G. (2023, November 18). Denis G Rancourt conference presentation slides and text, All-cause mortality world-wide and Romania (Covid era). Zenodo. International Covid Summit (ICS), Bucharest, Romania. <https://doi.org/10.5281/zenodo.19598446>
220. Rancourt DG. **"Let a scientist speak"** (9-minute presentation). Christine Anderson and Eva Vlaardingerbroek "Make It Your Business" event, Ottawa, Canada, 29 November 2023. | Video: <https://www.bitchute.com/video/MdCixSHVIWd9/>
221. Rancourt, DG. (2025, March 3). **"Denis G Rancourt conference presentation slides, Towards understanding the government assault and persistent excess mortality (Canada focus)"**. Zenodo. An Injection of Truth: Healing Humanity, Calgary, Alberta, Canada. <https://doi.org/10.5281/zenodo.18526099> | Video: <https://denisrancourt.ca/videos.php?id=135>
222. Rancourt, DG. (2025, October 25). **"Denis G Rancourt conference presentation slides, EXCESS MORTALITY - What really caused it, really? (Covid era)"**. Zenodo. Back to the

Future - Restoring Hippocrates, Trust & Sovereignty in Modern Medicine, Driebergen-Rijsenburg, Netherlands. <https://doi.org/10.5281/zenodo.18529853> | Video: <https://denisrancourt.ca/videos.php?id=141> | Popular follow-up interview (23 January 2026): <https://www.youtube.com/watch?v=GjhQuMKQo8s>

— End of “PART I: HEALTH, MEDICINE, EPIDEMIOLOGY, COVID-19” —

PART II: ALL CONTRIBUTIONS / ALL AREAS OF RESEARCH

DETAILED LIST OF PUBLICATIONS (IN CHRONOLOGICAL ORDER, AND BY CATEGORY)

Full papers in refereed (peer-reviewed) journals

(Authors supervised/co-supervised by Denis Rancourt have their names underlined.)

1. **Rancourt DG** and J.M. Daniels, The Influence of Unequal Magnetization Direction Probabilities on Mössbauer Spectra of Superparamagnetic Particles, *Physical Review B* 29 (1984) 2410-2414.
2. **Rancourt DG**, S.R. Julian and J.M. Daniels, Mössbauer Characterization of Very Small Superparamagnetic Particles; Application to Intra-Zeolitic Alpha-Fe-203 Particles, *Journal of Magnetism and Magnetic Materials*, 49 (1985) 305-316.
3. J.M. Daniels, H.-Y. Lam, **Rancourt DG**, J.A. Westgate and D. York, The Discrimination of Pyroclastic Deposits on the Basis of the Mössbauer Spectra of their Magnetites, *Earth and Planetary Science Letters*, 73 (1985) 430-438.
4. **Rancourt DG**, S.R. Julian and J.M. Daniels, A New Interpretation for the Mössbauer Spectra of Invar Alloys; Anisotropic Hyperfine Field Fluctuations, *Journal of Magnetism and Magnetic Materials*, 51 (1985) 83-88.
5. **Rancourt DG**, New Theory for Magnetic Graphite Intercalation Compounds: Superferromagnetism in Two Dimensions, *Journal of Magnetism and Magnetic Materials*, 51 (1985) 133-140.
6. **Rancourt DG**, J.M. Daniels and H.Y.- Lam, Iron-57 Mössbauer Study of Fe₂As; a Magnetically Induced Electric Field Gradient Asymmetry, *Canadian Journal of Physics* 63 (1985) 1540-1547.
7. **Rancourt DG**, C. Meschi and S. Flandrois, S=1/2 Antiferro-magnetic Finite Chains Effectively Isolated by Frustration: CuCl₂ Intercalated Graphite, *Physical Review B* 33 (1986) 347-355.

8. **Rancourt DG**, Low Temperature Behaviour of Ising Magnetic Chains; Decorated Solitons, Locally Enhanced Exchange and Diffusive Propagation, Solid State Communications 58 (1986) 433-440.
9. **Rancourt DG**, H.H.A. Smit, and R.C. Thiel, Metastable Compositionally and Magnetically Modulated State of Fe-Ni Invar and the Associated Super-Moment Dynamics from Mössbauer Spectroscopy, Journal of Magnetism and Magnetic Materials 66 (1987) 121-152.
10. **Rancourt DG**, B. Hun, and S. Flandrois, A New Biintercalation Compound, $\text{FeCl}_3\text{-NiCl}_2$ -graphite, Studied by Fe-57 Mössbauer Effect Spectroscopy and SQUID Magnetization Measurements: An Ideally Decoupled Bimagnetic System, Canadian Journal of Physics 66 (1988) 776-790. [This article won a “best paper of the year” award by the Canadian Association of Physicists, given at its annual meeting.]
11. **Rancourt DG**, Phenomenology of Domain Wall Pinning in Ferromagnets and Application to Fe-Ni Invar, Journal of Magnetism and Magnetic Materials 78 (1989) 153-163.
12. **Rancourt DG**, S. Chehab, and G. Lamarche, Reentrant Magnetism, Antiferromagnetism, and Domain Wall Pinning in Nominally Ferromagnetic Fe-Ni Invar, Journal of Magnetism and Magnetic Materials 78 (1989) 129-152.
13. **Rancourt DG**, Accurate Site Populations from Mössbauer Spectroscopy, Nucl. Inst. Meth. Phys. Res. B (NIMB) 44 (1989) 199-210.
14. P. Hargraves, **Rancourt DG**, and A.E. Lalonde, Single Crystal Mössbauer Study of Phlogopite Mica, Canadian Journal of Physics 64 (1990) 128-144.
15. **Rancourt DG**, P. Hargraves, G. Lamarche, and R.A. Dunlap, Microstructure and Low Temperature Magnetism of Fe-Ni Invar Alloys, Journal of Magnetism and Magnetic Materials 87 (1990) 71-82.
16. **Rancourt DG**, G. Lamarche, P. Tume, A.E. Lalonde, P. Biensan, and S. Flandrois, Dipole-Dipole Interactions as Source of Spin Glass Behaviour in Exchange-Wise Two-Dimensional Ferromagnetic-Layer Compounds. Canadian Journal of Physics 68 (1990) 1134-1137.
17. **Rancourt DG**, S. Flandrois, P. Biensan, and G. Lamarche, Magnetism of a Graphite Bi-Intercalation Compound with Two Types of Ferromagnetic Layers: Double Hysteretic Transition in $\text{CrCl}_3\text{-NiCl}_2$. Canadian Journal of Physics 68 (1990) 1435-1439.
18. **Rancourt DG**, and J.-Y. Ping. Voigt-Based Methods for Arbitrary-Shape Static Hyperfine Parameter Distributions in Mössbauer Spectroscopy. Nucl. Instr. Meth. Phys. Res. B (NIMB) 58 (1991) 85-97.

19. **Rancourt DG**, M.-Z. Dang, and A.E. Lalonde, Mössbauer Spectroscopy of Tetrahedral Fe³⁺ in Trioctahedral Micas. *American Mineralogist* 77 (1992) 34-43.
20. **Rancourt DG**, Mössbauer Spectroscopy of Tetrahedral Fe³⁺ in Trioctahedral Micas—**Reply**. *American Mineralogist* 78 (1993) 669-671.
21. J.-Y. Ping, **Rancourt DG**, and R.A. Dunlap, Physical Bases and Break Down of Hyperfine Field Distribution Analysis in FCC Fe-Ni (5-70 at %Fe). *Journal of Magnetism and Magnetic Materials* 103 (1992) 285-313.
22. **Rancourt DG**, A.M. McDonald, A.E. Lalonde, and J.-Y. Ping. Mössbauer Absorber Thickness for Accurate Site Populations in Iron Bearing Minerals. *American Mineralogist* 78 (1993) 1-7.
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24. **Rancourt DG**, M. Dubé, and P.R.L. Heron. General Method for Applying Mean Field Theory to Disordered Magnetic Alloys. *Journal of Magnetism and Magnetic Materials* 125 (1993) 39-48.
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26. T.-B. Bai, S. Guggenheim, S.-J. Wang, **Rancourt DG**, and A.F. Koster van Groos. Metastable Phase Relations in the Chlorite-H₂O System. *American Mineralogist* 78 (1993) 1208-1216.
27. **Rancourt DG**, I.A.D. Christie, M. Royer, H Kodama, J.-L. Robert, A.E. Lalonde, and E. Murad. Determination of Accurate ^[4]Fe³⁺, ^[6]Fe³⁺, and ^[6]Fe²⁺ Site Populations in Synthetic Annite by Mössbauer Spectroscopy. *American Mineralogist* 79 (1994) 51-63.
28. **Rancourt DG**. Mössbauer Spectroscopy of Minerals I. Inadequacy of Lorentzian-Line Doublets in Fitting Spectra Arising from Quadrupole Splitting Distributions. *Physics and Chemistry of Minerals* 21 (1994) 244-249.
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33. M.-Z. Dang, M. Dubé and **Rancourt DG**. Local Moment Magnetism of FCC Fe-Ni Alloys II. Ising Approximation Monte Carlo. *Journal of Magnetism and Magnetic Materials* 147 (1995) 133-140.
34. L. Raki, **Rancourt DG** and C. Detellier. Preparation, Characterization and Mössbauer Spectroscopy of Organic Anion Intercalated Pyroaurite-like Layered Double Hydroxides. *Chemistry of Materials* 7 (1995) 221-224.
35. **Rancourt DG** and R.B. Scorzelli, Low Spin γ -Fe-Ni (γ_{LS}) Proposed as a New Mineral in Fe-Ni-Bearing Meteorites: Epitaxial Intergrowth of γ_{LS} and Tetrataenite as Possible Equilibrium State at ~20-40 at % Ni. *Journal of Magnetism and Magnetic Materials* 150 (1995) 30-36.
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37. A.E. Lalonde, **Rancourt DG** and G.Y. Chao. Fe-Bearing Trioctahedral Micas from Mont Saint-Hilaire, Québec. *Mineralogical Magazine* 60 (1996) 447-460.
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44. K. Lagarec and **Rancourt DG**. Extended Voigt-Based Analytic Lineshape Method for Determining N-Dimensional Correlated Hyperfine Parameter Distributions in Mössbauer Spectroscopy. Nucl. Instr. Meth. Phys. Res. B (NIMB) 129 (1997) 266-280.
45. **Rancourt DG**, K. Lagarec, A. Densmore, R.A. Dunlap, J.I. Goldstein, R.J. Reisener, and R.B. Scorzelli. Experimental Proof of the Distinct Electronic Structure of a New Meteoritic Fe-Ni Alloy Phase. Journal of Magnetism and Magnetic Materials 191 (1999) L255-L260.
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47. M.-Z. Dang, **Rancourt DG**, J.E. Dutrizac, G. Lamarche, and R. Provencher. Interplay of Surface Conditions, Particle Size, Stoichiometry, Cell Parameters, and Magnetism in Synthetic Hematite-like Materials. Hyperfine Interactions 117 (1998) 271-319.
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49. K. Lagarec and **Rancourt DG**. Fe_3Ni -type chemical order in $Fe_{65}Ni_{35}$ films grown by evaporation: Implications regarding the Invar Problem. Physical Review B 62 (2000) 978-985.
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139. Rancourt DG. "Canadian Societal Depravity is Anchored in Medical Care - Where good will provides cover for predatory population enslavement". *Dissident Voice*, 11 April 2018, <https://thedissidentvoice.org/2018/04/canadian-societal-depravity-is-anchored-in-medical-care/>

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141. Rancourt DG. "Stability and Dynamics of Individual Personality in a Dominance Hierarchy". *Dissident Voice*, 02 January 2019, <https://thedissidentvoice.org/2019/01/stability-and-dynamics-of-individual-personality-in-a-dominance-hierarchy/>
142. Rancourt DG. "Laws that Punish for Hypothetical Harm Must be Abolished". *Dissident Voice*, 26 September 2019, <https://thedissidentvoice.org/2019/09/laws-that-punish-for-hypothetical-harm-must-be-abolished/>

Papers in refereed conference proceedings

AGU	=	American Geophysical Union
ASLO	=	American Society of Limnology and Oceanography
EGS	=	European Geophysical Society
EUG	=	European Union of Geosciences
GAC	=	Geological Association of Canada
ICAME	=	International Conference on the Applications of the Mössbauer Effect
ICC	=	International Clay Conference
ICHI	=	International Conference on Hyperfine Interactions
ICOBTE	=	International Conference on Biogeochemistry of Trace Elements
ISEB	=	International Symposium on Environmental Biogeochemistry
LACAME	=	Latin American Conference on the Applications of the Mössbauer Effect
MAC	=	Mineralogical Association of Canada

143. J.M. Daniels, H.-Y. Lam, **Rancourt DG**, J.A. Westgate and D. York, 1983, Identification of the Origin of Volcanic Ash by Mössbauer Spectroscopy. Proceedings of the ICAME'83, Yu. M. Kagan and I.S. Lyubutin, Eds., vol. 5, p. 1671-1675 (Gordon and Breach Sci. Publ., NY, 1985).
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145. L.F. Nazar, G.A. Ozin, F. Hughes, J. Godber and **Rancourt DG**, 1983, Metal Atoms in solution: Versatile Reagents for Preparing Metal Cluster-Zeolite Catalysts; Application to the Selective Reduction of Carbon Monoxide to Butene, *Journal of Molecular Catalysis*, 21 (1983) 313-329; presented at an international conference on catalysis, Toronto, Summer 1983.
146. J.M. Daniels, **Rancourt DG**, and S.R. Julian, 1986, Magnetically Induced Electric Field Gradients, *Hyperfine Interactions* 28 (1986) 507-510; presented at I.C.A.M.E.-85, Leuven, Sept. 16-20.
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148. J.-Y. Ping, and **Rancourt DG**, Absolute Quantitative Analysis by Mössbauer Spectroscopy. *Hyperfine Interactions* 71 (1992) 1437-1440; presented at I.C.A.M.E.-91, Nanjing.
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150. J.-Y. Ping and **Rancourt DG**, Thickness Effects with Intrinsically Broad Absorption Lines. *Hyperfine Interactions* 71 (1992) 1433-1436; presented at I.C.A.M.E.-91, Nanjing.
151. I.A.D. Christie, **Rancourt DG**, G. Lamarche, M. Royer, H. Kodama and J.-L. Robert. Low Temperature Mössbauer Spectroscopy and Magnetism of Synthetic Annite Mica. *Hyperfine Interactions* 68 (1991) 315-318; presented at I.C.A.M.E.-91, Nanjing.
152. J.-Y. Ping, **Rancourt DG**, and Z.M. Stadnik, Voight-Based Methods for Quadrupole Splitting Distributions in Quasi-Crystals. *Hyperfine Interactions* 69 (1991) 493-496; presented at I.C.A.M.E.-91, Nanjing.
153. I.A.D. Christie, **Rancourt DG**, H. Kodama, E. Murad, and J.-L. Robert, Oxidation of Synthetic Annite Mica Characterized by Fe57 Mössbauer Spectroscopy; Hydrogen De-Intercalation and Host Layer Valence State Populations. NATO-ASI series B monograph of the proceedings of the NATO-ASI entitled "Chemical Physics of Intercalation II", (1993) p. 387-391, P. Bernier, J.E. Fisher, S. Roth, and S.A. Solin, Eds., Plenum, New York. Presented at the ASI: Chateau Bonas, France, June 29 - July 19, 1991.
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158. M.-Z. Dang and **Rancourt DG**. Monte Carlo simulations of temperature and composition dependent hyperfine field distributions in metallic alloys. Presented at ICAME 1995 (Rimini, Sept. 1995). Conference Proceedings, Vol. 50, ICAME-95, I. Ortalli (Ed.), Italian Physical Society, 1996, 367-370.
159. K. Lagarec and **Rancourt DG**. A New Model for Multidimensional Distributions of Hyperfine Parameters in Mössbauer Spectroscopy. ICC'97 Proceedings: "Clays for Our Future" H. Kodama, A.R. Mermut, and J.K. Torrance (chief editors), Published by the ICC-97 Organizing Committee, Ottawa, Canada (1999) ISBN 0-9686314-0-7. Pages 215-220.
160. M.-Z. Dang, **Rancourt DG**, G. Lamarche, and M.E. Evans. Mineralogical Analysis of a Loess/ Paleosol Couplet from the Chinese Loess Plateau. ICC'97 Proceedings: "Clays for Our Future" H. Kodama, A.R. Mermut, and J.K. Torrance (chief editors), Published by the ICC-97 Organizing Committee, Ottawa, Canada (1999) ISBN 0-9686314-0-7. Pages 309-315.
161. A.A.T. Shabani, **Rancourt DG**, and A.E. Lalonde. Determination of cis- and trans-Fe²⁺ Populations in 2M1 Muscovite by Mössbauer Spectroscopy. ICC'97 Proceedings: "Clays for Our Future" H. Kodama, A.R. Mermut, and J.K. Torrance (chief editors), Published by the ICC-97 Organizing Committee, Ottawa, Canada (1999) ISBN 0-9686314-0-7. Pages 243-248.
162. P.H. Mercier J, **Rancourt DG**, R.G. Berman, and J.-L. Robert.. Control of Site Populations, at Synthesis, by Inter-Sheet Differential Thermal Expansion in a T-O-T Layer Silicate. ICC'97 Proceedings: "Clays for Our Future" H. Kodama, A.R. Mermut, and J.K. Torrance (chief editors), Published by the ICC-97 Organizing Committee, Ottawa, Canada (1999) ISBN 0-9686314-0-7. Pages 221-228.

163. M.-Z. Dang, **Rancourt DG**, J.E. Dutrizac, G. Lamarche, and R. Provencher. Protohematite-Hydrohematite-Hematite Structuro-Chemical Phase Relationships in Hematite-Like Materials. ICC'97 Proceedings: "Clays for Our Future" H. Kodama, A.R. Mermut, and J.K. Torrance (chief editors), Published by the ICC-97 Organizing Committee, Ottawa, Canada (1999) ISBN 0-9686314-0-7. Pages 265-270. (selected for oral presentation).
164. T.P. Murphy, A. Lawson, **Rancourt DG**, M. Kumagai, and M. Sakai. Akanoi Bay, Lake Biwa Seasonal Changes in Porewater Phosphorus. Society for International Limnology, Dublin, August 10-14, 1998. In press, Verh. Int. Verein. Limnol. 48(1998).
165. T.P. Murphy, A. Lawson, M. Kumagai, and **Rancourt DG**. Sediment phosphorous release in Lake Biwa. 4th International Symposium on Sediment Quality Assessment (SQA'2000), October 24-27, 2000, Otsu, Japan. Submitted to proceedings.
166. S. Alpay, L. Lortie, W.D. Gould, **Rancourt DG**, B. Mayer, F. Rosa, H.K.T. Wong, S.S. Dixit, A.S. Dixit, C. Provost, and G.E.M. Hall. Diagenetic metal remobilization versus chronological metal loading in lake sediments. 6th ICOBTE, Guelph, Ontario, July 29 to August 2, 2001, ICOBTE 2001 Conference Proceedings, Extended abstract GO136.
167. **Rancourt DG**, P.-J. Thibault, and F.G. Ferris. Resolution and quantification of Fe sorbed to bacterial cell walls, biogenic ferrihydrite, and abiotic ferrihydrite by cryogenic ⁵⁷Fe Mössbauer spectroscopy. 6th ICOBTE, Guelph, Ontario, July 29 to August 2, 2001, ICOBTE 2001 Conference Proceedings, Extended abstract GO448.

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168. **Rancourt DG**, B. Hun and S. Flandrois, Magnetic Properties of Intercalated Transition Metal Chlorides which have Ferromagnetic In-Plane Coupling. Colloque Franco-Japonais sur les Composés d'Insertion de Graphique, École Normale Supérieure, Paris, Oct. 8-10, 1985, Ann. Phys. 11 (1986) C2 107-116.
169. **Rancourt DG**, Magnetic Phenomena in Layered and Intercalated Compounds. NATO Advanced Study Institute entitled Chemical Physics of Intercalation Castera Verdizan, France, June 10-19, 1987, NATO-ASI Ser. B: Physics, 172 (1987) 79-103.
170. **Rancourt DG**, Pervasiveness of Cluster Excitations as Seen in the Mössbauer Spectra of Magnetic Materials. International Conference on the Applications of the Mössbauer Effect-87, Melbourne, Australia, August 17-21, 1987: Hyperfine Interactions 40 (1988) 183-194.

171. **Rancourt DG.** Mössbauer Spectroscopy in Clay Science. ICC'97 Proceedings: "Clays for Our Future" H. Kodama, A.R. Mermut, and J.K. Torrance (chief editors), Published by the ICC-97 Organizing Committee, Ottawa, Canada (1999) ISBN 0-9686314-0-7. Pages 201-205. (short version). Hyperfine Interactions 117 (1998) 3-38 (long version).
172. A.E. Lalonde, **Rancourt DG**, and J.Y. Ping. Accuracy of ferric/ferrous determinations in phyllosilicate: A comparison of Mössbauer and wet-chemical methods. ICC'97 Proceedings: "Clays for Our Future" H. Kodama, A.R. Mermut, and J.K. Torrance (chief editors), Published by the ICC-97 Organizing Committee, Ottawa, Canada (1999) ISBN 0-9686314-0-7. Pages 249-257.
173. R.B. Scorzelli, **Rancourt DG**, A.B. Dominguez, G. Poupeau, C.C. de Bon, M.E. Cisternas. Evidence by Mössbauer spectroscopy of the intergrowth tetraetaemite/antitaemite in the Vaca Muerta mesosiderite. 60th Meteoritical Society Meeting, Hawaii, July 21-25, 1997. Meteoritics and Planetary Science 32(4) Supplement (1997) A117. (extended abstract)
174. K. Lagarec, **Rancourt DG**, S.K. Bose, and R.A. Dunlap. First observation of a composition-controlled low-moment/high-moment transition in the FCC Fe-Ni system: Implications regarding Invar and anti-Invar behaviours. Phase Transitions 75 (2002) 211-219. International Symposium on Structure and Dynamics of Heterogeneous Systems, August 28-29, 2000, Duisburg, Germany.
175. **Rancourt DG.** Invar behaviour in Fe-Ni alloys is predominantly a local moment effect arising from the magnetic exchange interactions between high moments. Phase Transitions 75 (2001) 201-209. International Symposium on Structure and Dynamics of Heterogeneous Systems, August 28-29, 2000, Duisburg, Germany.
176. **Rancourt DG.** Magnetism of Earth, planetary, and environmental nanoparticles. *In: Nanoparticles and the Environment*, J.F. Banfield and A. Navrotsky (editors), Reviews in Mineralogy and Geochemistry 44 (2001) 217-292 (Chapter 7). MSA Workshop, December 7-9, 2001, UC-Davis, CA, USA.

Review papers and book forwards

177. **Rancourt DG**, The Invar Problem, Physics in Canada 45(1) January (1989) 3-10.
178. A.E. Lalonde and **Rancourt DG**, Les Micas: Des Minéraux Importants pour Comprendre l'Origine des Roches Granitiques. Interface, Sept.-Oct. (1991) 24-29.

179. **Rancourt DG.** Mössbauer spectroscopy in clay science – Forward. *Hyperfine Interactions* 117 (1998) 1-3.

Books, Monographs, and Handbooks authored

180. **Rancourt DG** and K. Lagarec. *ICC'97 Mössbauer Workshop Handbook*, 1997, 144 pages.
181. **Rancourt DG.** *Science for Activists* (Beta version, 2005), 62 pages. [Developped for and used in Denis Rancourt's university course "PHY 1703: Physics and the Environment".]
182. **Rancourt DG.** *Hierarchy and free expression in the fight against racism*, Stairway Press, 2013, 175 pages, ISBN 978-0-9859942-8-0.

Chapters in books

(see also chapters related to invited talks, above)

183. **Rancourt DG.** Analytical Methods for Mössbauer Spectral Analysis of Complex Materials. Chapter 6, *in*: *Mössbauer Spectroscopy Applied to Magnetism and Materials Science*, Vol. 2, G.J. Long and F. Grandjean, Eds., Plenum Press, 1996, pages 105-124.
184. **Rancourt DG.** There was no pandemic. Chapter 34, *in*: *Canary In a Covid World: How Propaganda and Censorship Changed Our (My) World*, C.H. Klotz, Ed., Canary House Publishing, 2023, pages 420-430. ISBN: 978-1-7390525-3-9. | https://web.archive.org/web/20240806071424/https://denisrancourt.ca/uploads/entries/1687643289487_Denis%20Rancourt%20essay%20-%20There%20Was%20No%20Pandemic%20-%20pub.pdf | Also contributed as a chapter to the book: *Never Again Is Now Global: The Dangers of a One-World Final Solution*, Vera Sharav, Robert Blanco (eds.), Skyhorse Publishing, Published date: Jun 30, 2026 (384 pages), ISBN: 9781648210907.

Books Edited

185. **Rancourt DG** (Ed.) *Mössbauer Spectroscopy in Clay Science*. A special topic issue of Hyperfine Interactions 117 (1998) pp.436 (Invited and selected topics from the Mössbauer Symposium of ICC'97).
186. H. Kodama et al. (Eds., including associate editor **Rancourt DG**) ICC'97 Proceedings: "Clays for Our Future" H. Kodama, A.R. Mermut, and J.K. Torrance (chief editors), Published by the ICC-97 Organizing Committee, Ottawa, Canada (1999) ISBN 0-9686314-0-7. pp.825.

Invited plenary, keynote and special sessions talks or panels at regional, national, and international conferences (no paper)

187. **Rancourt DG**, Truly Quantative Fe^{3+} and Fe^{2+} Amounts in Iron Bearing Minerals, Mineral Physics Special Session at GAC-MAC-90, Vancouver, May 1990. (GAC = Geological Association Canada, MAC = Mineralogical Association Canada).
188. **Rancourt DG**, Mössbauer Spectral Lineshape Models and Spectral Analysis Methods. Mössbauer Workshop at the 28th Annual Meeting of the Clay Minerals Society, NASA Planetary Science Laboratory, Houston, Texas, October 1991.
189. **Rancourt DG**, Mössbauer Spectroscopy of Phyllosilicates. Mössbauer Workshop at the 28th Annual Meeting of the Clay Minerals Society, NASA Planetary Science Laboratory, Houston, Texas, October 1991.
190. **Rancourt DG**, A.E. Lalonde, G. Lamarche, J.-Y. Ping, M. Royer, I.A.D. Christie, P. Tume, and M.-Z. Dang, Mössbauer Spectroscopy, Magnetism, Crystal Chemistry, Oxidation, and Optical Properties of Natural and Synthetic Micas. Int. Conf. Applications Mössbauer Effect 1991, Nanjing, China, September 1991.
191. **Rancourt DG**, Interplay between Magnetism and Crystal Chemistry in Minerals. Magnetism in Minerals Session, AGU-CGU-MSA 1992 Spring Meeting, Montreal, 12-16 May 1992. Abstract published in EOS Spring Meeting Supplement. Transactions, American Geophysical Union, 73(14) (1992) 97.
192. **Rancourt DG**. Kinetics of the Oxyannite Reaction in Biotite: Microscopic Mechanism and Relation to Dehydroxylation. Plenary, Latin American Conference on the Applications of the Mössbauer Effect, Santiago, Chile, 7-11 November, 1994.

193. **Rancourt DG**, Structural Missfit Effects in the Crystal Chemistry of Annite: Towards a Single-Mineral Geothermometer/Oxygen Fugacity Probe. Plenary, Latin American Conference on the Applications of the Mössbauer Effect, Santiago, Chile, 7-11 November, 1994.
194. **Rancourt DG**, Extraction and Interpretation of Quadrupole Splitting Distributions in Layer Silicates. Plenary, Latin American Conference on the Applications of the Mössbauer Effect, Santiago, Chile, 7-11 November, 1994.
195. **Rancourt DG** and R.B. Scorzelli, Low-spin FCC Fe-Ni alloy phase (γ_{LS} -phase) proposed as a new meteoritic mineral. Plenary, Int. Conf. Applications Mössbauer Effect 1995, Rimini, Italy, 10-16 September, 1995.
196. **Rancourt DG**, *Mechanisms, at synthesis, for inter-layer lattice matching in layer silicates*. Special session entitled "Strain Accommodation in Materials", CAP Congress, Ottawa, June 16-19, 1996.
197. **Rancourt DG**. *Quantitative near neighbour anion coordination populations and strong short-range F-F avoidance in synthetic annite-fluorannite measured by Mössbauer spectroscopy*. ICC'97, Ottawa, June 15-21, 1997.
198. P.-J. Thibault, D. Mavrocordatos, **Rancourt DG**, D. Fortin, and G. Lamarche. *Comparisons of biogenic and abiotic hydrous ferric oxides using Mössbauer spectroscopy*. Selected for oral contribution at ICAME-99 (10% selection rate), Garmisch-Partenkirchen, Germany, August 29 - September 3, 1999.
199. P.H.Mercier J, A.A.T. Shabani, **Rancourt DG**, A.E. Lalonde, R.G. Berman, and J.-L. Robert. *Quadrupole splitting distributions of biotite*. Selected for oral contribution at ICAME-99 (10% selection rate), Garmisch-Partenkirchen, Germany, August 29 - September 3, 1999.
200. K. Lagarec and **Rancourt DG**. *High-moment to low-moment transition does occur in the Fe-Ni system but thermal excitation of the low-moment phase does not cause the Invar effect*. Invited plenary talk at ICAME-99, Garmisch-Partenkirchen, Germany, August 29 - September 3, 1999.
201. D. Mavrocordatos, D. Fortin, and **Rancourt DG**. *Characterization of biogenic Fe-oxide precipitates by X-ray diffraction, Mössbauer spectroscopy, and analytical electron microscopy*. Invited plenary talk at ISEB-XIV, Deerhurst Resort, Huntsville, Ontario, September 26-30, 1999.
202. **Rancourt DG**, F.G. Ferris, and D. Fortin. *Sorbed iron on the cell wall of Bacillus subtilis characterized by Mössbauer spectroscopy: Evidence for bioreduction*. Invited plenary talk at ISEB-XIV, Deerhurst Resort, Huntsville, Ontario, September 26-30, 1999.

203. **Rancourt DG.** *Development of a single-mineral multi-variable geosensor based on the crystal chemistry of biotite.* The invited plenary talk at 41st Mössbauer Spectroscopy Discussion Group Meeting, The Royal Society of Chemistry, September 4-5, 2000, University of Greenwich, UK.
204. **Rancourt DG.** *Mössbauer spectroscopy of mud: Towards modeling complex environmental processes.* Invited Plenary Lecture (1 of 8), LACAME-02, Panama City, September 22-27, 2002.
205. **Rancourt DG.** *RecoilTM: Its development, its structure, and examples of its use.* Invited Plenary Talk (1 of 8), LACAME-02, Panama City, September 22-27, 2002.
206. **Rancourt DG.** *Advances in characterizing nanophase materials and composites.* Invited Symposium Talk (1 of 3), Nanophase Materials Symposium (2.8), Goldschmidt Geochemistry Conference, Copenhagen, June 6-12, 2004. Abstract 554-2.8.21. *Geochimica Cosmochimica Acta* 68(11S), 2004, p.A220.
207. **Rancourt DG.** *Adventures in mineral physics: From environmental nanoparticles to meteoritic anti-Invar via layer silicate surprises.* Invited Keynote Lecture (1 of 11), 82nd Annual Meeting of the Deutsche Mineralogische Gesellschaft (DMG) (German Mineralogical Association), Karlsruhe, September 20-22, 2004.
208. R.J. Evans, **Rancourt DG**, M. Grodzicki. *Electronic structure calculations for Mössbauer spectroscopy of disordered materials.* Invited talk; New applications of spectroscopy in mineral sciences session. 19th International Mineralogical Association Conference, Kobe, Japan, July 23-28, 2006. (talk presented by DGR)
209. **Rancourt DG.** *Nature and genesis of ferrihydrite.* Invited talk; Recent progress of nanoparticle studies in Earth and planetary sciences session. 19th International Mineralogical Association Conference, Kobe, Japan, July 23-28, 2006.
210. **Rancourt DG.** *Democracy is direct action.* Invited and selected talk/workshop at the ImagineOttawa – Ottawa Social Forum, October 20, 2007, Ottawa, Ontario.
211. **Rancourt DG.** *Anarchism in Academia Now!* Closing keynote talk at Resisting the University conference, March 3-7, 2008, Students for a Democratic Society, UBC, Vancouver, BC.
212. Invited panellist, with two others. April 15th 9:30-12am round-table: *To find yourself in the ranks of resistances.* Thinking about global justice: Acting locally. 2nd symposium of the Laboratory for Justice Studies and Research, April 14-15, 2008, Department of Criminology, University of Ottawa.

213. **Rancourt DG.** *Minorités, solidarité, résistance, et confrontation : La place de l'anarchisme dans l'enseignement des sciences.* Invited keynote (90 minutes) in Colloque 611: Enseignement des sciences en milieu francophone minoritaire, hier et aujourd'hui: Quels espoirs pour demain? ACFAS, May 5-9, 2008, Québec.
214. Invited panellist, closing panel, with six others. *Table ronde: Education scientifique en milieu francophone minoritaire: Quels espoirs pour demain?* Colloque 611: Enseignement des sciences en milieu francophone minoritaire, hier et aujourd'hui: Quels espoirs pour demain? ACFAS, May 5-9, 2008, Québec.
215. **Rancourt DG.** *Making physics relevant by academic squatting.* Invited speaker in the session: Down from the Ivory Tower: Physics Teachers and Education Researchers as Activists. 2008 American Association of Physics Teachers (AAPT) Conference, July 19-23, Edmonton, Alberta.
216. **Rancourt DG.** "From Masking to Mortality Rates: COVID-19 and What the Science Tells Us". Invited plenary speaker in the session: "Show Us the Science", National Vaccine Information Center (NVIC)'s Fifth International Public Conference on Vaccination (3 days in October 2020), 16 October 2020 (39 minutes).
217. **Rancourt DG.** "The False Pandemic". Invited plenary talk at: Gold Standard Covid Science in Practice: An Interdisciplinary Symposium (2 days, >20 speakers), 29 July 2021 (20 minutes), organized by Doctors for Covid Ethics, hosted by UK Column.
218. **Rancourt DG.** "Realities of Health". Invited special session talk at: International Crisis Summit IV (ICS4) (3 days, >50 speakers), 17 November 2023 (20 minutes), Bucharest, Romania. <https://rumble.com/v3x6q0o-denis-rancourt-realities-of-health-very-interesting.html>.
219. **Rancourt DG.** "All-cause mortality worldwide and Romania". Invited plenary talk at: International Crisis Summit IV (ICS4) (3 days, >50 speakers), 18 November 2023 (25 minutes), Parliament, Bucharest, Romania. <https://rumble.com/v3xza31-denis-rancourt-at-ics4-all-cause-mortality-worldwide-and-romania-18-nov-2023.html> | Rancourt, D. G. (2023, November 18). Denis G Rancourt conference presentation slides and text, All-cause mortality world-wide and Romania (Covid era). Zenodo. International Covid Summit (ICS), Bucharest, Romania. <https://doi.org/10.5281/zenodo.19598446>
220. **Rancourt DG.** "Let a scientist speak" (9-minute presentation). Christine Anderson and Eva Vlaardingerbroek "Make It Your Business" event, Ottawa, Canada, 29 November 2023. | Video: <https://www.bitchute.com/video/MdCixSHVIWd9/>
221. **Rancourt, DG.** (2025, March 3). "Denis G Rancourt conference presentation slides, Towards understanding the government assault and persistent excess mortality (Canada focus)". Zenodo. An Injection of Truth: Healing Humanity, Calgary, Alberta,

Canada. <https://doi.org/10.5281/zenodo.18526099> | Video: <https://denisrancourt.ca/videos.php?id=135>

222. **Rancourt, DG.** (2025, October 25). “Denis G Rancourt conference presentation slides, EXCESS MORTALITY - What really caused it, really? (Covid era)”. Zenodo. Back to the Future - Restoring Hippocrates, Trust & Sovereignty in Modern Medicine, Driebergen-Rijsenburg, Netherlands. <https://doi.org/10.5281/zenodo.18529853> | Video: <https://denisrancourt.ca/videos.php?id=141> | Popular follow-up interview (23 January 2026): <https://www.youtube.com/watch?v=GjhQuMKQo8s>

Posters and talks presented at academic conferences (no paper)

223. **Rancourt DG**, J.M. Daniels and H.-Y. Lam, Spin Orientation in Antiferromagnetic $\text{Fe}_{2-x}\text{Cr}_x\text{As}$. Annual Meeting of the A.P.S., San Francisco, California, January 1982.
224. **Rancourt DG**, J.M. Daniels and H.-Y. Lam, Spin Structure of Fe_2As . Annual Meeting of the A.P.S., New York City, January 1983.
225. J.M. Daniels, H.-Y. Lam, **Rancourt DG**, J.A. Westgate and D. York, Identification of the Origin of Volcanic Ash by Mössbauer Spectroscopy. Annual Meeting of the A.P.S., New York, January, 1983.
226. S.R. Julian, J.M. Daniels, H.-Y. Lam and **Rancourt DG**, Polarization of Magnetic Order in $\text{Fe}_{1+x}\text{Pt}_{3-x}$. Annual Meeting of the A.P.S., New York, January, 1983.
227. **Rancourt DG** and J.M. Daniels, New Effects in the Mössbauer Spectra of Superparamagnetic Particles. Annual Meeting of the American Physical Society, San Antonio, Texas, January 1984.
228. **Rancourt DG**, B. Hun and S. Flandrois, Magnetic Study of a New Bi-Intercalation Compound $\text{FeCl}_3\text{-NiCl}_2\text{-Graphite}$: An ideally Decoupled Bimagnetic System. 18th Biennial Conference on Carbon, Worcester, Ma., July 19-24, 1987.
229. A.E. Lalonde and **Rancourt DG**, Accuracy of Mössbauer and Wet-Chemistry $\text{Fe}^{3+}/\text{Fe}^{2+}$ Determinations in Biotite: Implications for Mineralogical and Petrological Studies, GAC-MAC-90, Vancouver, May 1990.
230. **Rancourt DG**, M. Royer, and M.-Z. Dang, Mössbauer Recoilless Fractions of Octahedral Fe^{3+} and Fe^{2+} in Mica, GAC-MAC-90, Vancouver, May 1990.

231. P. Tume, M. Royer, and **Rancourt DG**, Proton Diffusion in Mica, GAC-MAC-90, Vancouver, May 1990.
232. **Rancourt DG**, Novel Real Magnetic Systems Amenable to Theoretical Analysis, Stat. Phys. 45th Par., Montreal, October 20, 1990.
233. D.J. Dunlop, X. Song, Rancourt DG, Ferromagnetism in biotites, AGU-MSA Spring Meeting 1991. Abstract published in Spring Session Supplement of EOS, Transactions, American Geophysical Union, 72(17) (1991) 97.
234. I.A.D. Christie, **Rancourt DG**, H. Kodama, J.-L. Robert, Use of High and Low Temperature Mössbauer Measurements in the Determination of the Magnetic Structure of Micas. Magnetism in Minerals Session, AGU-CGU-MSA 1992 Spring Meeting, Montreal, 12-16 May 1992. Abstract published in Spring Session Supplement of EOS, Transactions, American Geophysical Union, 73(14) (1992) 97.
235. **Rancourt DG**, General Method for Applying MFT to Disordered Magnetic Alloys, Stat. Phys. 45th Par., Clarkson University, Potsdam, N.Y., October 3, 1992.
236. M. Dubé and **Rancourt DG**, Application of a Mean Field Method to Disordered FCC Fe-Ni Alloy, Stat. Phys. 45th Par., Clarkson University, Potsdam, N.Y., October 3, 1992.
237. M.-Z. Dang, **Rancourt DG**, and J.Y. Ping, Cause of the Fe-57 Hyperfine Field in FCC Fe-Ni. ICAME 93, Aug. 8-14, 1993, Vancouver, B.C.
238. A.E. Lalonde and **Rancourt DG**, Method for Getting Site-Specific EFG Information from Sheet Silicates: Application to Micas, ICAME 1993, Aug. 8-14, 1993, Vancouver, B.C.
239. A.E. Lalonde, **Rancourt DG**, and G.Y. Chao, Fe-Bearing Trioctahedral Micas from Mont Saint-Hilaire, Quebec, GAC-MAC-94, May 1994, Waterloo, Ontario. Abstract accepted.
240. **Rancourt DG** and G. Klingelhöfer. Possibility of a Mössbauer Resonant-Electron Microscope. Fourth Seeheim Workshop on Mössbauer Spectroscopy, May 1994, Seeheim, Germany.
241. **Rancourt DG** and J.Y. Ping. Algorithms and programs for data treatment and spectral analysis in Mössbauer spectroscopy. ICAME'95, Sept. 1995, Rimini, Italy.
242. A.E. Lalonde and **Rancourt DG**. Determination of accurate Fe-site populations in Mica-Fe and Mica-Mg geochemical standards by Mössbauer spectroscopy. ICAME'95, Sept. 1995, Rimini, Italy.

243. L. Dou, R.J.W. Hodgson and **Rancourt DG**. Bayesian inference theory applied to hyperfine field distribution extraction. CAM'95 (CAP/APS/SMF joint meeting) 11-16 June 1995.
244. P.H.Mercier J, **Rancourt DG** and R.G. Berman. An Fe-57 Mössbauer spectroscopy study of synthetic layer silicates of the phlogopite-annite series having various A²⁺-contents. CAP Congress, Ottawa, June 16-19, 1996.
245. M.-Z. Dang and **Rancourt DG**. Testing microscopic models of the hyperfine fields in Fe-Ni alloys. CAP Congress, Ottawa, June 16-19, 1996.
246. K. Lagarec, **Rancourt DG**, R.B. Scorzelli and I. de Souza Azevedo. Investigation of Fe-Ni alloys in meteorites using Mössbauer spectroscopy. CAP Congress, Ottawa, June 16-19, 1996.
247. L. Dou, R.J.W. Hodgson and **Rancourt DG**. A preliminary study of a biotite spectrum using the Bayesian inference theory and the Gibbs sampling. CAP Congress, Ottawa, June 16-19, 1996.
248. M.-Z. Dang and **Rancourt DG**. Analysis of complex solid-phase systems: industrial and environmental. OCMR Partnerships 1997, Toronto, June 5, 1997.
249. R.B. Scorzelli, **Rancourt DG**, A.B. Dominguez, G. Poupeau, C.C. de Bon, and M.E. Cisternas. Detection of tetrataenite/antitaenite intergrowth in Fe-Ni metal of the Vaca Muerta mesosiderite. ICAME '97, Rio de Janeiro, Brazil, August 1997.
250. **Rancourt DG** and M.-Z. Dang. Multi-Dimensional Solid Phase Analysis Applied to Aquatic Sediments and Ancient Sedimentary Deposits. EnviroAnalysis-98, Ottawa, May 11-14, 1998.
251. J.I. Goldstein, R.J. Reisener, **Rancourt DG**, K. Lagarec, and R.B. Scorzelli. The Santa Catharina Meteorite: A Cloudy Zone Microstructure Consisting of a Fine Intergrowth of Tetrataenite and Antitaenite. 61st Meteoritical Society Meeting, Dublin, July 27-31, 1998. Meteoritics and Planetary Science, Supplement, 33(4) (1998) A59-A60. (extended abstract)
252. **Rancourt DG** and M.-Z. Dang. Multi-Dimensional Solid Phase Analysis (MDSPA) Applied to Complex Materials. MMO Partnerships 1998, Toronto, June 10, 1998.
253. K. Lagarec and **Rancourt DG**. Antitaenite: A new Meteoritic Mineral That Is Non-Magnetic to the Core. Materials Science at the 45th Parallel. McGill University, Oct. 23-24, 1998.

254. P.H.Mercier J and **Rancourt DG**. Inter-Sheet Differential Thermal Expansion in Layered Silicate Materials. Materials Science at the 45th Parallel. McGill University, Oct. 23-24, 1998.
255. M.-Z. Dang, **Rancourt DG**, J.E. Dutrizac, G. Lamarche, and R. Provencher. Phase Relations in Hematite-Like Materials and the Morin Transition. Materials Science at the 45th Parallel. McGill University, Oct. 23-24, 1998.
256. P.C. Piilonen, **Rancourt DG**, A.E. Lalonde, and A.M. McDonald. Mössbauer spectroscopy of astrophyllite-group minerals from Mont Saint-Hilaire, Québec. GAC-MAC, Sudbury, Ontario, May 26-28, 1999.
257. P.H.Mercier J, **Rancourt DG**, and J.-L. Robert. Étude expérimentale de la solution solide annite-sydérophyllite: impact de la teneur en aluminium sur la cristalochimie des micas. 67^e Congrès de l'ACFAS, University of Ottawa, May 10-14, 1999.
258. **Rancourt DG** and M.-Z. Dang. Something new in hematite: Not just hydroxyls and cation vacancies but also structurally incorporated water. ICAME-99, Garmisch-Partenkirchen, Germany, August 29 - September 3, 1999.
259. K. Lagarec and **Rancourt DG**. General method for removing non-uniform absorber thickness effects from Mössbauer spectra. ICAME-99, Garmisch-Partenkirchen, Germany, August 29 - September 3, 1999.
260. M.-Z. Dang, **Rancourt DG**, and A.E. Lalonde. Strategy for and limitations of solid-phase identification and discrimination using room temperature Fe-57 Mössbauer spectroscopy. ICAME-99, Garmisch-Partenkirchen, Germany, August 29 - September 3, 1999.
261. R.J. Evans, J.S. Tse, and **Rancourt DG**. Electronic structure calculations of the electric field gradient parameters in distorted FeO₆¹⁰⁻ octahedra. ICAME-99, Garmisch-Partenkirchen, Germany, August 29 - September 3, 1999.
262. P.-J. Thibault, Ken Lagarec, **Rancourt DG**, G. Lamarche, D. Mavrocordatos, and D. Fortin. Structure, stoichiometry, and microstructure of ferrihydrite. XIVth International Symposium on Environmental Biogeochemistry, Deerhurst Resort, Huntsville, Ontario, September 26-30, 1999.
263. K. Lagarec, **Rancourt DG**, S.K. Bose, and R.A. Dunlap. Observation of a composition-controlled low-moment/high-moment transition in the FCC Fe-Ni system: Implications regarding Invar and anti-Invar behaviours. 41st Mössbauer Spectroscopy Discussion Group Meeting, The Royal Society of Chemistry, September 4-5, 2000, University of Greenwich, UK.

264. K. Lagarec and **Rancourt DG**. Recoil: Advanced Windows-based spectral analysis and data treatment software for Mössbauer spectroscopy. 41st Mössbauer Spectroscopy Discussion Group Meeting, The Royal Society of Chemistry, September 4-5, 2000, University of Greenwich, UK.
265. J.B. Percival, J.M. Aylsworth, **Rancourt DG** and A. Fritz. Analysis of colour rhythmites in sensitive marine clays (leda clay) from Eastern Canada. 12th International Clay Conference (ICC-12), July 22-28, 2001, Bahia Blanca, Argentina.
266. R. James Evans, **Rancourt DG**, J.S. Tse, and M. Grodzicki. Theoretical quadrupole splitting distributions of octahedral Fe²⁺ in layer silicates. ICAME-2001, September 2-7, 2001, Oxford, UK.
267. K. Lagarec and **Rancourt DG**. Mössbauer spectroscopy provides a definitive solution to the Invar problem. Selected oral, LACAME-02, Panama City, September 22-27, 2002.
268. **Rancourt DG**, P.H. Mercier J, E.J. Evans, M. Grodzicki, A.A.T. Shabani, and A.E. Lalonde. Resolving the hydrogen-loss and vacancy reactions in the oxidation of Fe-bearing layer silicates. Poster, LACAME-02, Panama City, September 22-27, 2002.
269. **Rancourt DG**, M.-Z. Dang, P.-J. Thibault, S. Bonneville, T. Behrends, P. Van Cappellen. Hematite (α -Fe₂O₃): A complex oxyhydroxide system inspiring sustained fascination among Mössbauer spectroscopists. Poster, LACAME-02, Panama City, September 22-27, 2002.
270. **Rancourt DG**, N. Sabourin, M.-Z. Dang, C. van der Zee, D. Roberts and P.-J. Thibault. Recoil Mössbauer spectral analysis software applied to complex natural samples. Poster, LACAME-02, Panama City, September 22-27, 2002.
271. **Rancourt DG**, I. L'Heureux, S. Katsev, B. George, C. McDonald. Lake Sediment Structure and Evolution (LSSE) research: Towards predictive reaction transport models. Talk, 38th Central Canadian Symposium on Water Quality Research, organized by CAWQ and hosted by NWRI, Burlington, Ontario, February 10-11, 2003.
272. S. Katsev, I. L'Heureux, **Rancourt DG**. Modeling the mechanisms of phosphorous releases from sediments. Poster, EGS-AGU-EUG Joint Assembly, Nice, France, April 2003.
273. S. Katsev, **Rancourt DG**, I. L'Heureux. dSED: A database tool for modeling sediment early diagenesis. Poster, EGS-AGU-EUG Joint Assembly, Nice, France, April 2003.

274. S. Katsev, I. L'Heureux, **Rancourt DG**. Numerical models of phosphorus releases in sediments Poster. Gordon Research Conference on Permeable Sediments, Lewiston (Maine), June 15-20, 2003.
275. **Rancourt DG**. Influence of Bacteria on the Sequestration of Iron and the Precipitation of Hydrous Ferric Oxides: A Cryogenic ^{57}Fe Mössbauer Spectroscopy Study. Talk, International Workshop on Biogeochemical Processes Involving Iron Minerals in Natural Waters, November 16-21, 2003, Monte Verita, Switzerland. Extended abstract published in abstract book.
276. C. van der Zee, D.R. Roberts, **Rancourt DG**, C.P. Slomp. Nanogoethite is the dominant reactive iron oxyhydroxide phase in lake and marine sediments. Talk, International Workshop on Biogeochemical Processes Involving Iron Minerals in Natural Waters, November 16-21, 2003, Monte Verita, Switzerland. Extended abstract published in abstract book.
277. C. Hyacinthe, H. De Waarde, **Rancourt DG**, P. Van Cappellen. Formation and reactivity of iron phosphate minerals. Talk, International Workshop on Biogeochemical Processes Involving Iron Minerals in Natural Waters, November 16-21, 2003, Monte Verita, Switzerland. Extended abstract published in abstract book.
278. P.-J. Thibault, **Rancourt DG**, J.E. Dutrizac, C. Hyacinthe, P. Van Cappellen, A. Delgado. Mineralogical characterization of aquatic colloid analogues: Synthetic phosphate-coprecipitated hydrous ferric oxide nanophases. Poster, International Workshop on Biogeochemical Processes Involving Iron Minerals in Natural Waters, November 16-21, 2003, Monte Verita, Switzerland. Extended abstract published in abstract book.
279. F. Gonzalez-Lucena, **Rancourt DG**, P.-J. Thibault, M.-Z. Dang, G. Lamarche, J.E. Dutrizac, A. Delgado, S. Bonneville, T. Behrends. Mineral magnetometry of synthetic micro-crystalline and nanophase iron oxides and oxyhydroxides. Talk, International Workshop on Biogeochemical Processes Involving Iron Minerals in Natural Waters, November 16-21, 2003, Monte Verita, Switzerland. Extended abstract published in abstract book.
280. I. L'Heureux, S. Katsev, **Rancourt DG**. An approximate treatment of pH-dependent adsorption in reaction-transport models. Talk, ASLO 2004, February 15-20, 2004, Honolulu, Hawaii.
281. S. Katsev, I. L'Heureux, **Rancourt DG**. A method for investigating interactions among chemical species in sediments: Application to sulfate-assisted phosphorous mobilization. Talk, ASLO 2004, February 15-20, 2004, Honolulu, Hawaii.

282. **Rancourt DG**, B. George, M.-Z. Dang, K. Telmer. Solid-phase characterization of sediments from 100 boreal forest lakes. Poster, AGU 2004 Joint Assembly, May 17-21, 2004, Montreal, Canada. Eos Transactions, AGU, 85(17) (2004), Joint Assembly Supplement, Abstract B33B-03, page JA80.
283. **Rancourt DG**, P.-J. Thibault. Bacteria are redox active sorbants that do not template nucleating hydrous ferric oxide. Talk, Goldschmidt Geochemistry Conference, Copenhagen, June 6-12, 2004. Abstract 1524-2.7.14. *Geochimica Cosmochimica Acta* 68(11S), 2004, p.A199.
284. B. George, **Rancourt DG**, M.-Z. Dang, K. Telmer. Sediment Fe mineralogy of 100 boreal forest lakes. Poster, Goldschmidt Geochemistry Conference, Copenhagen, June 6-12, 2004. Abstract 940-4.2.53. *Geochimica Cosmochimica Acta* 68(11S), 2004, p.A368.
285. Rancourt DG, B. George, M.-Z. Dang, and K. Telmer. Solid-phase characterization of sediments from 100 boreal forest lakes. Poster. 82nd Annual Meeting of the Deutsche Mineralogische Gesellschaft (DMG) (German Mineralogical Association), Karlsruhe, September 20-22, 2004.
286. P.H.Mercier J, Rancourt DG. Recent advances in layer silicate crystal chemistry. Poster. 82nd Annual Meeting of the Deutsche Mineralogische Gesellschaft (DMG) (German Mineralogical Association), Karlsruhe, September 20-22, 2004.
287. Rancourt DG. I'd like to see more unhappy graduate students. Annual GSAED (Graduate Student Association) Interdisciplinary Conference, University of Ottawa, Ottawa, February 8-10, 2005.
288. Rancourt DG. The Invar problem has been solved. 17th Canadian Materials Science Conference, Vancouver, BC, June 11-14, 2005.
289. J.-P. L. Prévost, Rancourt DG. First principles calculations of thermal properties. 17th Canadian Materials Science Conference, Vancouver, BC, June 11-14, 2005.
290. Rancourt DG. Academic squatting as a method of curriculum development: Pushing the limits of academic freedom. Annual GSAED (Graduate Student Association) Interdisciplinary Conference, University of Ottawa, Ottawa, February 8-10, 2006.
291. Rancourt DG. Advances in characterization methods for environmental mineralogy. Recent progress of nanoparticle studies in Earth and planetary sciences session. 19th International Mineralogical Association Conference, Kobe, Japan, July 23-28, 2006.

292. A. Thompson, Rancourt DG, O. Chadwick, J. Chorover. Development of soil iron mineral composition as a function of climate-driven Fe loss. Poster, Goldschmidt 2008, Vancouver. (Presented by A. Thompson)

Articles for Encyclopedias

293. **Rancourt DG.** Mössbauer Spectroscopy (article with bibliography, p. 413-414). Encyclopedia of Geochemistry, 1999 Edition, edited by C.P. Marshall and R.W. Fairbridge, Kluwer Academic Publishers, Dordrecht, 768 pp.
294. **Rancourt DG.** Quantum Numbers. (article with bibliography, p. 539). Encyclopedia of Geochemistry, 1999 Edition, edited by C.P. Marshall and R.W. Fairbridge, Kluwer Academic Publishers, Dordrecht, 768 pp.

Scientific software packages developed

295. MOSMOD. Mössbauer spectral analysis software. MS-DOS operating system. Includes operating manual. Developed with J.Y. Ping. Approximately 50 copies sold worldwide.
296. Recoil™. Mössbauer spectral analysis and spectral data handling software. MS-Windows operating system. Includes operating manual. Developed with K. Lagarec. First distributed by ISA Inc., with approximately 200 copies sold worldwide. Now provided for free by Denis Rancourt, https://denisrancourt.ca/page.php?id=10&name=recoil_ms.
297. NanoSim™. X-ray diffraction simulation software for nanoparticles of specified structures, sizes, shapes, degrees and type of disorder, etc. MS-Windows operating system. Developed with ISA Inc. Beta version being used in our research since 2003.
298. dSED. A database tool for modelling sediment early diagenesis. Written in MS-Access. Includes a user manual authored by S. Katsev, Rancourt DG, and I. L'Heureux. First available free at www.science.uottawa.ca/LSSE/dSED, now available from Professor S. Katsev.
299. MOSS=S&M. A search and match mineral identification software for Mössbauer spectroscopy. MS-Windows operating system. Developed in collaboration with ISA Inc. Beta version was completed in 2004.

Technical Reports (while at University of Ottawa)

300. **Rancourt DG.** 1992. Determining relative abundance of superparamagnetic iron in sediment samples (Contract KW405-1-0526). For Dr. Phil Manning, Environment Canada.
301. **Rancourt DG.** 1994. Design of Mössbauer reaction cell and determination of iron forms in Canadian coals (Contract 23440-3-9267/01-SQ). For Dr. E. Furimsky, CANMET-EMR.
302. **Rancourt DG.** 1995. Mössbauer analyses of sediments (Contract 698845). For Dr. T. Murphy, NWRI, Environment Canada.
303. **Rancourt DG.** 1995. Mössbauer and XRD analyses of sediments (Contract 698863). For Dr. T. Murphy, NWRI, Environment Canada.
304. **Rancourt DG, I.A.D. Christie and I.P. Swainson.** Powder neutron diffraction of synthetic annite mica at $T = 4.2$ K. DUALSPEC Annual Report, Chalk River Laboratories, AECL, 1993, 50-51.
305. **Rancourt DG, M.-Z. Dang, I.P. Swainson and R.B. Scorzelli.** Powder neutron diffraction investigation of antiferromagnetism in meteoritic low-spin γ -phase Fe-Ni (antitaenite). DUALSPEC Annual Report, Chalk River Laboratories, AECL, 1994, 76-77.
306. **Rancourt DG and I.P. Swainson.** Low-temperature spin structures and magnetism of novel synthetic layer silicates. DUALSPEC Annual Report, Chalk River Laboratories, AECL, 1994, 78-79.
307. **Rancourt DG.** 1996. Mössbauer analyses of sediments (Contract 697728). For Dr. T. Murphy, NWRI, Environment Canada.
308. **Rancourt DG.** 1996. Mössbauer analyses of slag samples (Contract KW405-5-2033). For Dr. A. Mudroch, NWRI, Environment Canada.
309. **Rancourt DG.** 1996. Detailed spectral analyses of Mössbauer spectra from slag samples (Contract KW405-5-2159). For Dr. A. Mudroch, NWRI, Environment Canada.
310. **Rancourt DG.** 1996. Mössbauer, XRD, and XRF analyses of a White Water Lake sediment sample (Contract 736182). For Dr. T. Murphy, NWRI, Environment Canada.

311. **Rancourt DG.** 1996. Mössbauer analyses of two White Water Lake sediments (Contract 736200). For Dr. T. Murphy, NWRI, Environment Canada.
312. **Rancourt DG.** 1997. Quantitative mineralogical analyses of three sediment samples from Akanoi Bay, Japan. (Contract 756129-756181). For Dr. T. Murphy, NWRI, Environment Canada, 194 pages.
313. T.P. Murphy, A. Lawson, J. Corsini, I. Gray, and **Rancourt DG.** Whitewater Lake: Biogeochemical study of 1996 botulism outbreak. Internal NWRI report number NTRB 97-211, 50 pages.
314. I.P. Swainson, Z. Tun, and **Rancourt DG.** Polarized triple-axis measurement of the magnetic ground state of annite mica, DUALSPEC Annual Report, Chalk River Laboratories, AECL, 1995, 88-89.
315. **Rancourt DG.** 1998. Geo-Chemical Analyses of three Sediment Samples from Lake Biwa, Japan. (Research agreement REC-24795). For Dr. T. Murphy, NWRI, Environment Canada, 125 pages. [This report won the prize for best foreign report 1998 from the Japanese Ministry of the Environment and has been translated into Japanese.]
316. **Rancourt DG.** 1998. Geo-Chemical Analysis of a Sample fromm Pakowki Lake, Alberta, Canada. (contract 783090). For Dr. T. Murphy, NWRI, Environment Canada, 17 pages.
317. **Rancourt DG.** 2001. Speciation and mineralogy of copper in sediments (contract). For Dr. Robert Prairie, Noranda, 73 pages.

Invited Talks at Institutions (while employed at universities)

318. Rancourt DG. Superferromagnetism, University of Toronto, Monday Condensed Matter Physics Seminar, Toronto, November 28, 1983.
319. Rancourt DG, S.R., Julian, J.M. Daniels. Superpara-magnétisme et Superferromagnétisme. Laboratoire de Cristallographie et de Physique Cristalline Université Bordeaux I, Talence, November 29, 1984.
320. Rancourt DG. Nouvelle Théorie du Magnétisme des Composés d'Insertion du Graphite - Superferromagnétisme en deux dimensions, Centre de Recherche Paul Pascal, Talence, March 15, 1985.

321. Rancourt DG, S.R. Julian, J.M. Daniels. Méthodes pour Déterminer la Taille de Petites Particules par l'Effet Mössbauer, Informal Seminar organized by Dr. G. Marest, Institut de Physique Nucléaire - Université Claude Bernard, Lyon, April 16, 1985.
322. Rancourt DG. Fluctuations de Spins dans les Spin Glass par l'Effet Mössbauer. Seminar organized by Dr. P. Imbert, DPHG-SPSRM, Centre d'Étude Nucléaires de Saclay, Saclay, France, May 29, 1985.
323. Rancourt DG. Effect de Relaxation dans les Spin Glass Amorphes et dans les Alliages Aléatoires, Seminar organized by Dr. M. Boge, Laboratoire des Interactions Hyperfine - Centre d'Étude Nucléaire de Grenoble, Grenoble, September 22, 1985.
324. Rancourt DG, C. Meschi, B. Hun, and S. Flandrois. Graphite Intercalation Compounds - Recently Observed Novel Magnetic Phenomena, Kamerlingh Onnes Colloquium, November 8, 1985.
325. Rancourt DG. Low Temperature Behaviour of Ising Magnetic Chains-Decorated Soliton, Locally Enhanced Exchange and Diffusive Propagation, K.E.L.T. Group Seminar, Kamerlingh Onnes Laboratorium. December 12, 1985.
326. Rancourt DG, H.H.A. Smit, and R.C. Thiel. Fe-Ni Invar Studied by Mössbauer Effect Spectroscopy, Kamerlingh Onnes Colloquium, June 27, 1986.
327. Rancourt DG. Solitons in Solid State Physics, University of Ottawa, Physics Seminar, September 10, 1986.
328. Rancourt DG. Exemples d'Effets Magnétoélastiques dans l'État Solide, Département de Physique, Université de Sherbrooke, 22 octobre, 1987.
329. Rancourt DG. Possibilités d'Application de la Spectroscopie Mössbauer à la Métallurgie, Institut de Génie des Matériaux, Laboratoire du Conseil National de Recherche, Montréal, 23 octobre, 1987.
330. Rancourt DG. The Invar Problem, Physics Department Colloquium, Dalhousie University, Halifax, November 18, 1987.
331. Rancourt DG. Comportement de Magnétisme Réentrant dans L'Invar et le Problème du γ -Fer, Département de Physique, Université de Montréal, 12 avril, 1988.
332. Rancourt DG. Mica - A Laboratory for 2D Physics and a Probe of Rock Formation Conditions, Department of Physics Seminar, University of Ottawa, November 1, 1990.

333. Rancourt DG. Mica - A Laboratory for 2D Magnetism, 1D Hydrogen Diffusion and some Unique Crystal Chemistry, Statistical Physics Seminar, Clarkson University, Potsdam, U.S.A., March 15, 1991.
334. Rancourt DG. Least Squares Fitting of Mössbauer Spectra: Methods and Problems. Materials Physics Department, University of Science and Technology, Beijing, China, September, 1992.
335. Rancourt DG. Magnetism, Atom Order, and Hyperfine Fields in fcc Fe-Ni Alloys. Physics Department, Queen's University, Kingston, Ontario, November 25, 1992.
336. Rancourt DG. Microscopic Mechanism of Oxidation in Fe-Bearing Phyllosilicates. Department of Geological Sciences, University of Illinois at Chicago, April 22, 1993.
337. Rancourt DG. Physical Properties, Magnetism, and History of FCC Fe-Ni Alloys. Physics Department, University of Amsterdam, the Netherlands. January 12, 1994.
338. Rancourt DG. Magnetism of Exchange-Wise 2D Layered Materials: Graphite Intercalation Compounds and Layer Silicates. Kamerlingh Onnes Laboratory, Leiden University, The Netherlands. January 14, 1994.
339. Rancourt DG. Accurate Site Population in Layer Silicates: Toward Single Mineral Geothermometry/Geobarometry. Physics Department, Technical University of Denmark, Lyngby. January 20, 1994.
340. Rancourt DG. Problems in Mössbauer Spectral Analysis and Recent Advances in Methodology, Institute of Physics, Uppsala University, Sweden. January 24, 1994.
341. Rancourt DG. Microscopic Mechanism of Oxidation in Fe-Bearing Phyllosilicates. Institute of Earth Sciences, Uppsala University, Sweden. January 25, 1994.
342. Rancourt DG. Accurate Site Populations in Layer Silicates: Towards Single-Mineral Geothermometry/Geobarometry. Institute for Physics, Medical University, Lubeck, Germany. January 28, 1994.
343. Rancourt DG. Magnetism of Exchange-Wise 2D Layered Materials: Graphite Intercalation Compounds and Layer Silicates. Institute for Nuclear Physics, Technical University of Darmstadt, Germany. February 3, 1994.
344. Rancourt DG. Problems in Mössbauer Spectral Analysis and Recent Advances in Methodology. Institute for Nuclear Physics, Technical University of Darmstadt, Germany. February 10, 1994.

345. Rancourt DG. Problems in Mössbauer Spectral Analysis and Recent Advances in Methodology. Institute for Organic and Analytic Chemistry, Johannes Gutenberg University, Mainz, Germany. February 11, 1994.
346. Rancourt DG. Cinétique et Mécanisme Microscopique de l'Oxydation de la Biotite. Centre de Recherches sur la Synthèse et Chimie des Minéraux, CNRS, Orléans, France. February 15, 1994.
347. Rancourt DG. Magnetism of Exchange-Wise 2D Layered Materials: Graphite Intercalation Compounds and Layer Silicates. Centro Brasileiro de Pesquisas Fisicas, Rio de Janeiro, Brazil. May 12, 1994.
348. Rancourt DG. Five Research Lectures entitled "Advances in Mössbauer Spectroscopy Methodology". Centro Brasileiro de Pesquisas Fisicas, Rio de Janeiro, Brazil. May 1994.
349. Rancourt DG. Different Kinds of Disorder in the 2D Magnetism of Layer Silicates. University of Cincinnati, Ohio. April 28, 1995.
350. Rancourt DG. Tailored 2D magnetism in layer silicates: Theory, experiment and dirt. Department of Physics, Universidad Nacional de La Plata, La Plata, Argentina. June 8, 1995.
351. Rancourt DG. Three research lectures entitled "Mössbauer methodology, I: Thickness effects, II: Hyperfine parameter distributions, III: Microscopic causes of the hyperfine field and its fluctuations". Department of Physics, Universidad Nacional de La Plata, La Plata, Argentina. May 31 - June 2, 1995.
352. Rancourt DG. Interplay of magnetism and atomic site occupancy order-disorder phenomena in metallic alloys. O.C.I.P. Xmas talk, Ottawa, December 13, 1995.
353. Rancourt DG. Mössbauer spectroscopy and its applications to materials science, chemistry, metallurgy, mineralogy, phase analysis, etc. Noranda Technology Centre, Montreal, March 7, 1996.
354. Rancourt DG. Low-moment Fe-Ni alloy phase proposed as a new meteoritic mineral. Department of Physics, University of Alberta, Edmonton, October 11, 1996.
355. Rancourt DG. Mössbauer spectroscopy as a tool in materials science and its application to steel-related problems. MTL-CANMET, Ottawa, November 20, 1996.
356. Rancourt DG. Les météorites en tant que laboratoires pour la physique de la matière condensée. Département de Physique, Université de Sherbrooke, 19 mars, 1997 (CAP - lecture).

357. Rancourt DG. Low-moment fee Fe-Ni alloy phase proposed as a new meteoritic mineral. Department of Physics, Laurentian University, Sudbury, March 27, 1997 (CAP-lecture).
358. Rancourt DG. Layer silicates, a fascinating class of materials. Steacie Institute for Molecular Sciences, NRC, Ottawa, May 16, 1997.
359. Rancourt DG. From Invar to meteorites via the low-moment phase. Department of Physics and Astronomy, University of Delaware, Newark, USA. October 20, 1997.
360. Rancourt DG. From Invar to meteorites via the low-moment phase. Centro Brasileiro de Pesquisas Fisicas, Rio de Janeiro, Brazil. January 21, 1998.
361. Rancourt DG. The Invar problem and its relation to magnetic frustration and the low moment phase. Brock University, St.-Catherines, Ontario, November 12, 1998.
362. Rancourt DG. Physics, chemistry, and mineralogy of colour, with application to mine tailings. Canadian Centre for Remote Sensing, GSC, Ottawa, November 24, 1998.
363. Rancourt DG. Interplay of phosphate water chemistry and sediment precipitate mineralogy. Lake Biwa Research Institute, Otsu, Japan, June 8, 1999.
364. Rancourt DG. Mechanisms and kinetics of the oxidation reactions of annite and crystal chemistry of the annite-oxyannite series. Chemistry Department, The Royal Veterinary and Agricultural University, Copenhagen, Denmark, September 6, 1999.
365. Rancourt DG. Fe-Ni meteorites and the solution to the Invar Problem. O.C.I.P. Xmas talk, Ottawa, December 17, 1999.
366. Rancourt DG. Why are lake sediments important, on both local and global scales: What do we know about how they work and how can we know more? Department of Physics and Department of Geography, University of Ottawa, March 9, 2000.
367. Rancourt DG. Mechanisms and crystal chemistry of oxidation in annite. Steacie Institute for Molecular Science, NRC, Ottawa, May 25, 2000.
368. Rancourt DG. Development of a single-mineral multi-variable geosensor based on the crystal chemistry of biotite. Faculty of Earth Sciences, Utrecht University, The Netherlands, September 1, 2000.

369. Rancourt DG. Study of Fe sorbed to bacterial cell walls, biogenic ferrihydrite, and abiotic ferrihydrite using ^{57}Fe Mössbauer spectroscopy. Faculty of Earth Sciences, Utrecht University, The Netherlands, August 28, 2001.
370. Rancourt DG. Magnetism of Earth, planetary, and environmental nanomaterials. Department of Physics, University of Ottawa, December 5, 2001.
371. Rancourt DG. Physical characterizations of lake sediments. Geological Survey of Canada, Metals in the Environment (MITE), Point Sources Subprogram, Lake Sediment Studies, Phase II, Project Meeting, Ottawa, December 13-14, 2001.
372. Rancourt DG. A physicist's mid life crisis: Invar, mud, graduate students from hell, PDFs from Holland, finite planet, and radical professionalism. O.C.I.P. Xmas talk, Ottawa, December 18, 2001.
373. Rancourt DG. L'eau, le pétrole, l'Irak et Kyoto. Keynote speaker, Projet culturel et communautaire, Programme Science, lettres et arts (SLA), 2003, CEGEP de l'Outaouais, Hull, Québec, March 20, 2003.
374. Rancourt DG. Biogeochemistry of aquatic particles and potential applications for novel particle size distribution analysers. BrightWELL Technologies Inc., Ottawa. May 14, 2003.
375. Rancourt DG. Advances in characterizing complex mixtures and nanophase materials. Institute for Chemical Process and Environmental Technology (ICPET), NRC, Ottawa, February 24, 2005.
376. Rancourt DG. "C'est quoi l'activisme? Pourquoi l'activisme?" Keynote talk, Première édition de la Semaine de l'Activisme au Collège de Maisonneuve, Montréal, Québec. May 2, 2006.
377. Rancourt DG (invited panellist). Does Activism Work? Forum organized by the International Socialists – Gatineau/Ottawa District. University of Ottawa, June 7, 2006.
378. Rancourt DG (keynote speaker). Afghanistan: Guerre humanitaire ou criminelle? Les conférences du rassemblement Outaouais contre la guerre. Université du Québec en Outaouais, March 6, 2007.
379. Rancourt DG (keynote speaker). On the responsibility of university professors to create anarchism: Liberation through anti-hierarchy activism. Studies in National and International Development (SNID) series, Queens University, Kingston, Ontario, October 18, 2007.

Many more after departure from university in 2009.

Media and scientific review articles and interviews about our research (while at University of Ottawa)

380. Item: *Antitaenite*, and review of our paper (Rancourt and Scorzelli, 1995, JMMM, 150; 30-36). Featured in: New Mineral Names, by J.L. Jambor, N.N. Pertsev, and A.C. Roberts, American Mineralogist, 81, 1996, 766-770.
381. Article: *Meteorites*. Faculty of Science, University of Ottawa, Newsletter, September 1997.
382. Article: *Researcher seeks industry partners (magnetic sorbants)*. Mining Matters section, Canadian Mining Journal, December 6, 1998.
383. Article: *Researchers caught between an invariable object and a hard place*. Gazette, University of Ottawa, XII(13) June 2, 2000, 4. (Feature on PhD student Ken Lagarec, solution to the Invar problem.)
384. Article: *Développement d'un modèle sur les sédiments lacustres. Lire l'avenir au fond du lac*. Gazette, University of Ottawa, XIII(8) February 23, 2001, 3. Geneviève-L. Picard.
385. Article: *L'avenir des lacs inscrit dans leur vase*. Science-Clips section, Découvrir 22(5) Septembre-Octobre 2001, 8. Philippe Gauthier, Agence Science-Pressé.
386. Interview: *Groupe de recherche LSSE*. D'un soleil à l'autre, Radio Canada, September 27, 2001.
387. Promotion: *Can you recognize Canada's university of the 21st century? Denis Rancourt, LSSE group*. Full page width adds appeared in Le Droit, The Globe and Mail, The Ottawa Citizen, and Silicon Valley North, on Thursday, March 1, 2001.
388. Newsletter article: *Denis G. Rancourt – MEDC International Advisory Board member*. Mössbauer Effect Reference and Data Journal, January 2005, volume 28(1), p. 23-24. (Overview of scientific contributions and interests, plus cover photo.)
389. Short Article: *A fresh look at lakes*. Canadian Geographic, Discovery section, May-June issue, 2005, p.32 (two pictures).

390. Interview: *Boreal forest lakes and LSSE*. CHUO FM 89.1 (Ottawa) with host Chris Jack of "5 O'clock Train" (20 minutes, live). May 19, 2005.
391. Interview: Guest interview, one-hour special theme show about global warming. The Roseanne Barr KCAA 1050 AM radio show, Loma Linda, California. May 30, 2007. In relation to DGR's article "Global Warming: Truth or Dare?"
392. Interview: Featured guest interview: Zero Point Radio, with Christopher Holmes and James Moffatt, June 2, 2007, 4-6pm.
393. Interview: Featured guest interview, environmental and development issues. Planète Terre, with Dianne D'Almeida, CHUO 89.1 FM, December 14, 2007, 11-12am; and follow up on global warming, December 21, 2007, 11-12am.
394. Interview: Feature guest interview, DGR environmental scientist. Science et Techno (SET) with Andréanne Baribeau and Louis Jacques, CHUO 89.1 FM, December 21, 2007, 10:30-11am.
395. Interview: Feature guest interview. A murder of Crows with Victoria, Aileen, Domm, and Steph, CHUO 89.1 FM, January 3, 2008, 4-5pm.

Many more after departure from university in 2009.

APPENDIX 1:

AWARDED SCIENTIFIC RESEARCH FUNDING, SCHOLARLY PROFESSIONAL ACTIVITIES,
SIGNIFICANT ACADEMIC COMMITTEES (WHILE AT THE UNIVERSITY OF OTTAWA, 1987-2009)

CHRONOLOGICAL LIST

EXTERNALLY-AWARDED UNIVERSITY RESEARCH GRANTS AND CONTRACTS

<u>Year</u>	<u>Agency (Type)</u>	<u>Title of project</u>	<u>Type</u>	<u>Amount per year</u>
1987	NSERC Equipment	Mössbauer effect spectroscopy system	IR	\$ 34,063
1987	Rector's Fund	Mössbauer spectroscopy vacuum furnace and temperature controller (Equipment)	IR	\$ 6,901
1987-89	NSERC Operating Grant as URF	Magnetism and spin-dynamics of synthetic-metal superlattices and metallic modulated structures	IR	\$ 19,000
1989-90	NSERC Operating Grant as URF	Magnetism and spin-dynamics of synthetic-metal superlattices and metallic modulated structures	IR	\$ 20,000
1989-90	NSERC Equipment	Mössbauer exchange gas helium cryostat (equipment)	IR	\$ 23,394
1989-90	NSERC Equipment	Compressor for helium recovery system (equipment) (PI=Prof.Gilles Lamarche)	GR	\$ 34,740
1989-90	Research Services	Industry-University seed money: Quantitative analysis by Mössbauer spectroscopy for industrial and mining materials processing	IR	\$ 10,000
1990-91	NSERC/EMR	Mössbauer determination of sulfate impurities in haematite	IR	\$ 11,100
1990-92	NSERC Operating Grant	Magnetism of Fe-Ni Invar alloys graphite intercalation compounds, and micas - using Mössbauer spectroscopy	IR	\$ 30,000
1992	NSERC Equipment	Dedicated pumping station for Mössbauer laboratory	IR	\$ 10,507
1992	NSERC Equipment	Mössbauer cryostat with 9T superconducting magnet (PI=Prof.Z. Stadnik)	GR	\$ 44,412

1992-95	NSERC Operating Grant	Fe-Ni Invar alloys, phlogopite annite oxyannite micas, and synthetic microcrystalline hematites: studied by Mössbauer spectroscopy	IR	\$ 30,000
1992	NSERC Equipment	X-ray powder diffractometer with primary beam monochromator (PI=Prof.Z.Stadnik)	GR	\$210,676
1992	NSERC	Risc workstation network (PI=Prof.G.Slater)	GR	\$ 33,884
1994	CANMET/ EMR	Determination of iron forms in Canadian coals by Mössbauer spectroscopy	IR	\$ 40,200
1995-96	Environment Canada (NWRI)	Mössbauer and XRD characterization of sediments (3 contracts)	IR	\$ 8,734
1995-98	NSERC	Mössbauer spectroscopy methodology, synthetic and meteoritic Fe-Ni alloys, and crystal chemistry and 2D magnetism in layer silicates	IR	\$ 28,900
1998-99	Operating Grant			\$ 31,790
1996	NWRI	Mössbauer analyses of slag samples (2 contracts)	IR	\$ 8,000
1996-97	NWRI	Mineralogical analyses of sediments (4 contracts)	IR	\$ 8,065
1997-98	NWRI	Quantification of vivianite in lake sediments (2 projects)	IR	\$ 6,760
1998	URF	Mössbauer source for identification of new alloy species	IR	\$ 1,550
1998	Human Resources Development Canada	Summer career placement program	IR	\$ 1,700
1998	URF University Research Fund	Use of colloidal Fe precipitates in wastewater treatment. (PI=Danielle Fortin)	GR	\$ 3,000
1999-03	NSERC Research Grant	Condensed matter physics perspective on Earth and planetary materials	IR	\$ 34,650
2000	NWRI	Mineralogical profile of an aquatic sediment core	IR	\$ 20,000
2000	NSERC Equipment	Magnetometer for characterization of materials (with 4 co-applicants)	IR	\$143,876
2000	GSC	Mössbauer mineralogy of sediment core sections from the Champlain Sea (1 contract)	IR	\$ 2,400
2000	GSC	Influence of diagenetic processes on lake sediment records, MITE	IR	\$ 36,000

2000-01	Noranda Research Agreement	Speciation and mineralogy of copper in sediments	IR	\$ 7,400
2000-05	NSERC Strategic Project Grant (SPG)	Quantitative mineralogy and geochemical modelling of lake sediments for advanced applications (with 7 co-applicants)	GR	154,193 160,217 166,217 160,217 112,460
2000-05	GSC in-kind	Quantitative mineralogy and geochemical modelling of lake sediments for advanced applications (with 7 co-applicants)	GR	415,422 301,042 616 616 616
2002-03	CANMET in-kind	Synthesis of mining and environmentally relevant iron oxyhydroxides and co-precipitates	IR	100,000 100,000
2001	NSERC Equipment	Urgent repair and upgrade of Mossbauer laboratory	IR	\$ 31,660
2002	NSERC Equipment	Urgent replacement of balances for materials science	IR	\$ 15,379
2003-08	NSERC Discoveries	Condensed matter physics perspective on Earth, planetary, and environmental materials	IR	\$45,000
2008-13	NSERC Discoveries	Reactive environmental Fe-oxyhydroxide nanoparticles	IR	\$34,891

SCHOLARLY AND PROFESSIONAL ACTIVITIES (UNIVERSITY OF OTTAWA, through to 2009)

- 1) Scientific Program Committee: International Conf. on the Applications of the Mössbauer Effect 1993.
- 2) Peer-reviewer for *Physical Review* and *Physical Review Letters* and over a dozen other scientific journals.
- 3) Planning and Organizing Committee of the 1997-11th International Clay Conference (held every 4 years). ICC'97 held June 15-21, 1997, Ottawa.
- 4) Scientific Program Committee: Int. Conf. on the Applications of the Mössbauer Effect 1995.
- 5) Chair and organizer of symposium entitled "Mössbauer spectroscopy in clay science" at ICC'97. Held: June 17-21, 1997, Ottawa.
- 6) Organizer and main instructor of ICC'97 satellite Mössbauer workshop entitled: "Mössbauer spectroscopy applied to mineralogy: Data treatment and spectral analysis using MOSMOD". Held: June 14-15, 1997, Ottawa.

- 7) Canadian representative on the Int. Board on the Applications of the Mössbauer Effect (IBAME) at ICAME'95 and elected Canadian representative on IBAME, 1997-2007.
- 8) Member of the "Advisory Board for the Mössbauer Effect Data Center", starting November 10, 1995.
- 9) Special foreign member of the "Latin American Network of Basic and Applied Research on Magnetism and Magnetic Materials", starting May 26, 1996.
- 10) Past member of the following professional associations:
 - American Geophysical Union (AGU)
 - American Physical Society (APS)
 - American Society for Metals (ASM)
 - Canadian Association of Physicists (CAP)
 - Canadian Association on Water Quality (CAWQ)
 - Canadian Institute of Mining, Metallurgy and Petroleum (CIM)
 - Centre for Catalysis Research and Innovation (CCRI, UofO)
 - Centre for Research in Earth and Space Technology (CRESTech, Ontario)
 - Clay Minerals Society (CMS)
 - Geochemical Society (GS, international)
 - Institute for Research on the Environment and Economics (IREE, UofO)
 - Institute for the Environment (IE, UofO) (Research Associate)
 - International Mineralogical Association (IMA)
 - Material and Manufacturing Ontario (MMO)
 - Mineralogical Association of Canada (MAC)
 - Mineralogical Society of America (MSA)
 - Minerals Metals and Materials Society (TMS)
 - Ottawa-Carleton Geoscience Center (O.-C.G.C.)
 - Ottawa-Carleton Institute for Physics (O.-C.I.P.)
- 10) International Advisory Committee for ISIAME-2000 and ISIAME-2004 (International Symposium on the Industrial Applications of the Mössbauer Effect)
- 11) Advisory Board of University Watch (uwatch.ca), starting 2004
- 12) Founding co-Chair, Steering Committee: Alternative Voices Series (AVS) / Cinema Politica / Cinama Academica, starting 2004

SIGNIFICANT ACADEMIC COMMITTEES (UNIVERSITY OF OTTAWA, through to 2009)

1988-89	Dept. Academic Planning and Selection Committee
1989-90	Dept. Graduate Curriculum
1991-92	Dept. Undergraduate Curriculum
1992-93, F98	Dept. Undergraduate Laboratories
1995-98	DTPC
1995-2001	Dept. Space and Renovations
1997-98	Seminar coordinator
1996-98	APUO representative for Physics and Chemistry
1997-2002	Faculty Mechanical Shop User Committee
1997-2002	IREE Coordinating Committee

1998-2002	Environmental Science Program Steering Committee (interrupted during 1999 sabbatical)
1997-	Environmental Science and Engineering Group (ESEG) Chair and founding member
1996-98	Recruitment, Marketing, and High School Outreach (Department, ad hoc)
1998-2002	F. Guillon's equipment (Department, ad hoc)
1998-2000	Visiting Speakers Committee, IE
2000-04	Environmental Studies (Faculty of Arts) Steering Committee
2000	Physics Seminar Coordinator (W2000)
2000-02	Faculty Council
2000-06	Departmental Space Committee
2002	Ad hoc Departmental, Research Technical Support (Chair)
2002	Faculty Space Committee
2003	Chairman Selection Committee
2004-	Departmental Environmental Safety Representative

-- end of Appendix 1 --
-- see Appendixes 2 and 3, below --

OTHER APPENDIXES:

APPENDIX 2 CV - Rancourt



[<https://correlation-canada.org/>](https://correlation-canada.org/)

Research papers

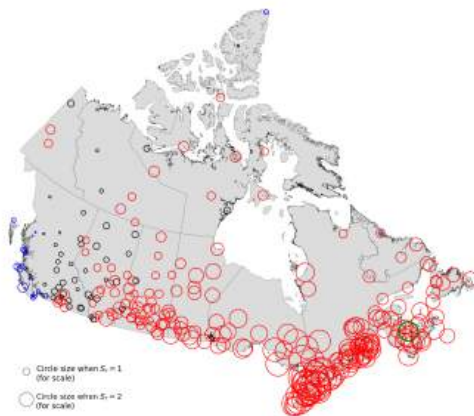


2026-05-13: D.G. Rancourt,
**"Eight pivotal facts about
Covid-period excess
mortality"** <

[<https://correlation-canada.org/eight-pivotal-facts-covid-period-mortality/>](https://correlation-canada.org/eight-pivotal-facts-covid-period-mortality/), *Correlation
Report*

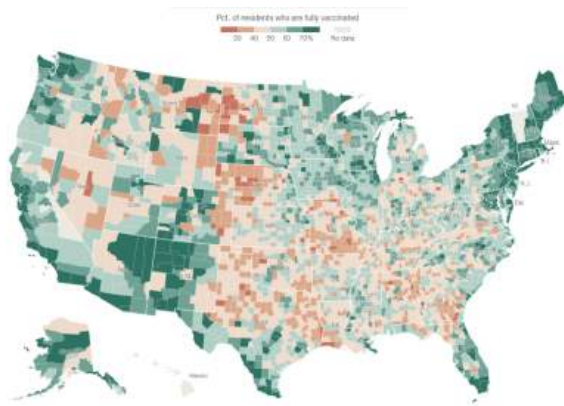


2026-01-11: D.G. Rancourt,
“Conceptual model of state collapse” <
[>](https://correlation-canada.org/conceptual-model-of-state-collapse/),
Correlation Report



2025-12-23: J. Hickey,
“Artificial stepwise increases in homogenized surface air temperature data invalidate published climate warming claims for Canada” <
[https://correlation-](https://correlation-canada.org/artificial-stepwise-increases-in-)
[canada.org/artificial-](https://correlation-canada.org/artificial-stepwise-increases-in-)
[stepwise-increases-in-](https://correlation-canada.org/artificial-stepwise-increases-in-)

temperature-data-
canada/>, *Correlation Report*



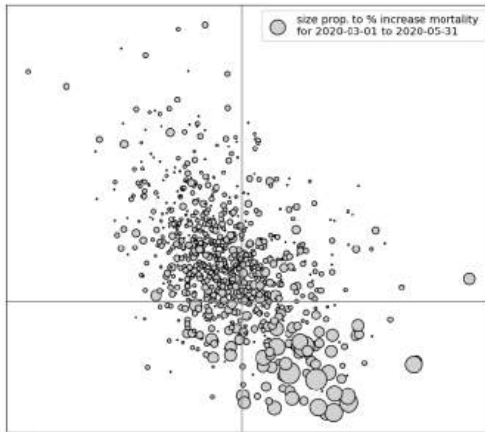
2025-10-06: D.G. Rancourt &
 J. Hickey, **“Did the COVID-19
 vaccines save millions of
 lives in the USA?”**

**Quantitative assessment of
 published claims” <
[https://correlation-
 canada.org/did-covid-
 vaccines-save-millions-of-
 lives-in-usa/](https://correlation-canada.org/did-covid-vaccines-save-millions-of-lives-in-usa/)>**, *Correlation
 Report*

2025-07-29: D.G. Rancourt,
“False that 1-4M lives saved



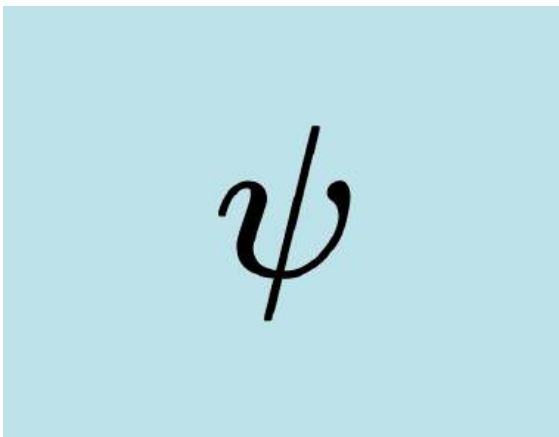
by COVID-19 vaccination
during 2020-2024” <
[>](https://correlation-canada.org/1-4m-lives-saved-false/), *Correlation Report*



2025-06-13: J. Hickey, D.G.
 Rancourt & C. Linard,
“Constraints from
geotemporal evolution of
all-cause mortality on the
hypothesis of disease
spread during Covid” <
[>](https://correlation-canada.org/constraints-on-hypothesis-of-disease-spread-during-Covid/),
Correlation Report



2025-01-29: D.G. Rancourt,
"Opinion: Invalidity of counterfactual models of mortality averted by childhood vaccination" <
<https://correlation-canada.org/opinion-childhood-vaccination-mortality-averted/>>,
Correlation Report

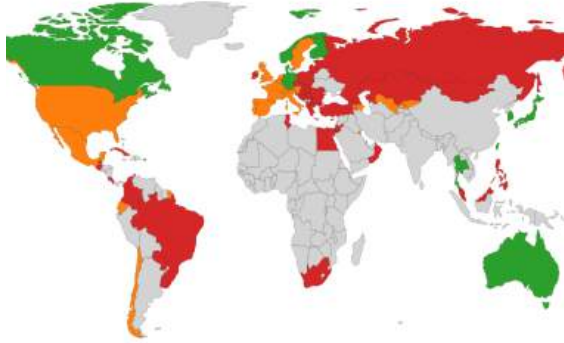


2024-12-10: D.G. Rancourt & J. Hickey, **"Do the unvaccinated disproportionately harm the vaccinated in a respiratory pandemic?"** <
[https://correlation-canada.org/do-the-unvaccinated-disproportionately-harm-](https://correlation-canada.org/do-the-unvaccinated-disproportionately-harm-the-vaccinated-in-a-respiratory-pandemic/)

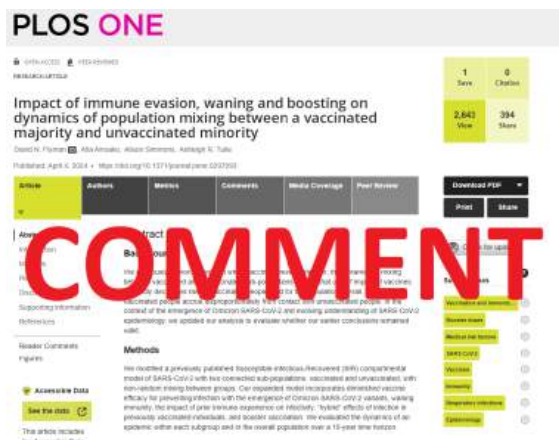
the-vaccinated-in-a-
respiratory-pandemic/>,
Correlation Report



2024-12-02: D.G. Rancourt,
“Medical Hypothesis:
Respiratory epidemics and
pandemics without viral
transmission” <
[https://correlation-](https://correlation-canada.org/respiratory-epidemics-without-viral-transmission/>)
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Report

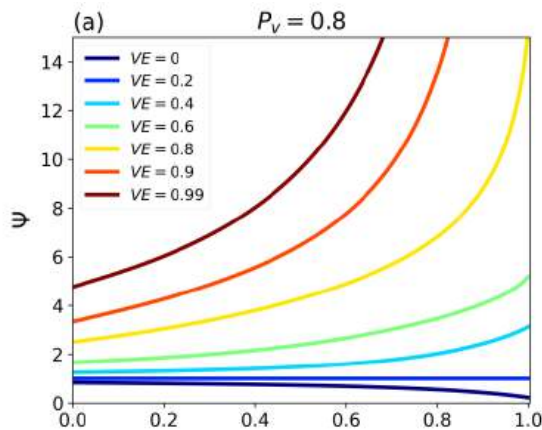


2024-07-19: D.G. Rancourt, J. Hickey & C. Linard,
“Spatiotemporal variation of excess all-cause mortality in the world (125 countries) during the Covid period 2020–2023 regarding socio economic factors and public-health and medical interventions” <
[>](https://correlation-canada.org/covid-excess-mortality-125-countries/),
Correlation Report



2024-04-25: D.G. Rancourt & J. Hickey, **“Comment on ‘Impact of immune evasion, waning and boosting on dynamics of population mixing between a vaccinated majority and unvaccinated minority’ by**

Fisman et al. (2024):
Incorrect definition and
application of a parameter
 ψ'' < [https://correlation-](https://correlation-canada.org/comment-on-fisman-et-al-2024/)
[canada.org/comment-on-](https://correlation-canada.org/comment-on-fisman-et-al-2024/)
[fisman-et-al-2024/](https://correlation-canada.org/comment-on-fisman-et-al-2024/)> ,
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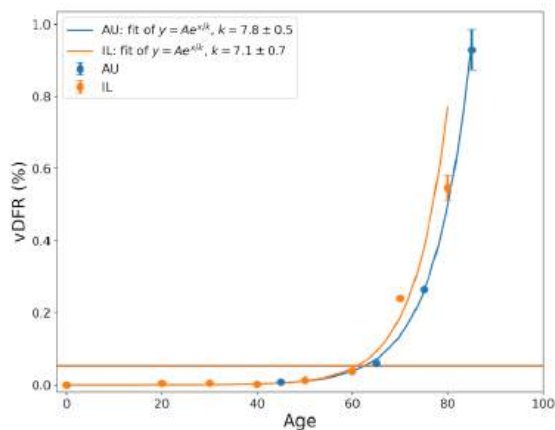


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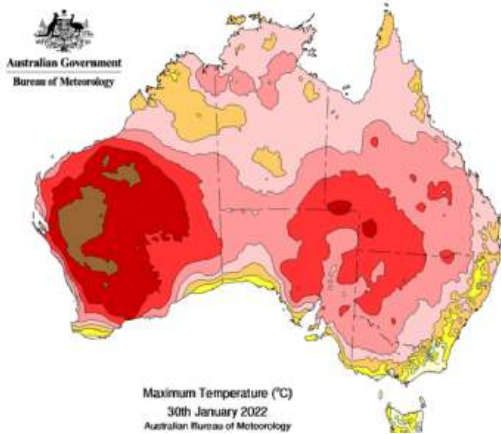
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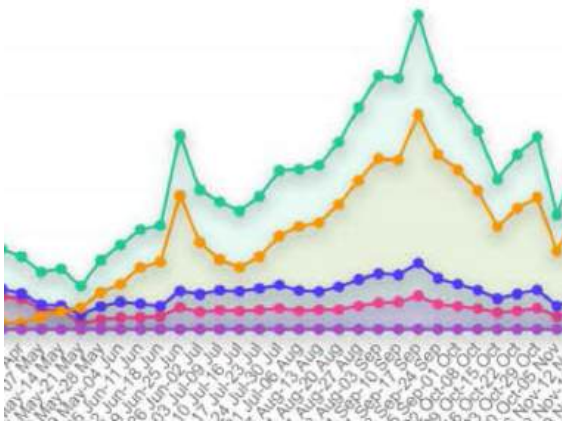
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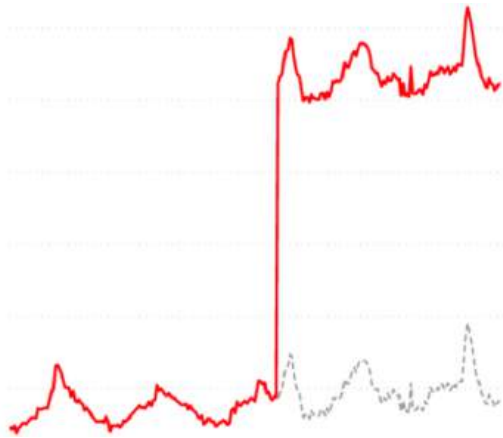
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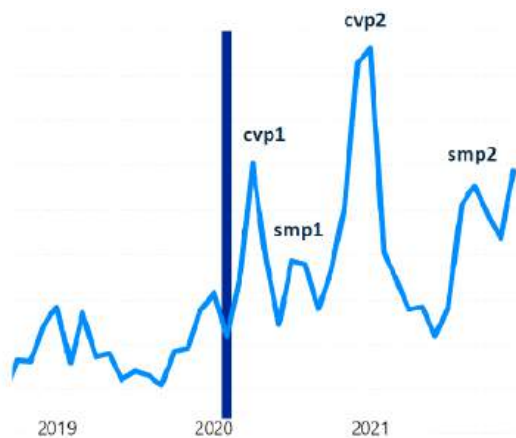


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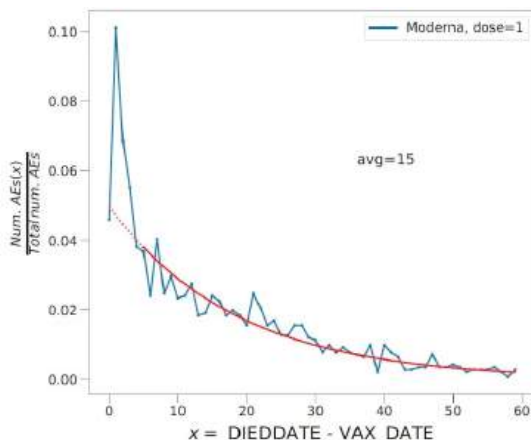
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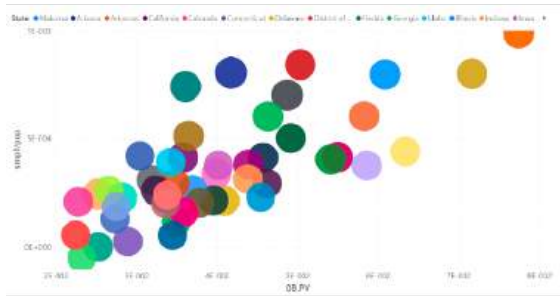


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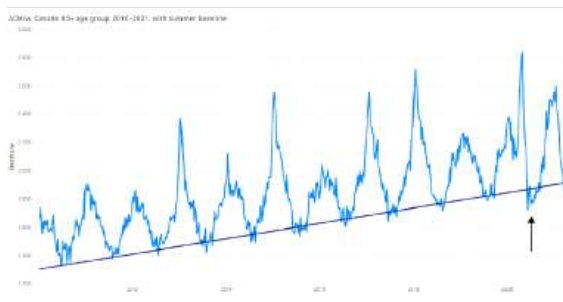
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2021-10-25: D.G. Rancourt, M. Baudin & J. Mercier, **“Nature of the COVID-era public health disaster in the USA, from all-cause mortality and socio-geo-economic and climatic data”** <
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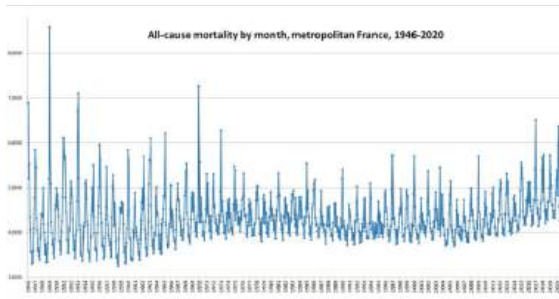


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**"Do Face Masks Reduce
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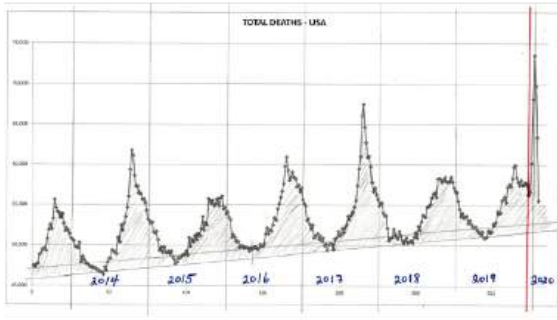


2021-08-06: D.G. Rancourt,
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**"Analysis of all-cause
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 COVID-19 pandemic, and
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the most elderly and in
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2020-08-20: D.G. Rancourt,
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2020-06-02: D.G. Rancourt,
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2020-04-11: D.G. Rancourt,
“Masks Don’t Work – A review of science relevant to COVID-19 social policy” <
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APPENDIX 3
CV - Rancourt**COVID**

OCLA has been actively opposed to all of the oppressive and unnecessary government measures during the COVID era, from the beginning in 2020.

This page collects OCLA's main reports, public letters, position statements, and interviews on COVID, in chronological order:

2020

April 2020 — OCLA Report 2020-1: [“Criticism of government response to COVID-19 in Canada”](#)

April 2020 — OCLA researcher Denis Rancourt publishes article [“Masks Don't Work A review of science relevant to COVID-19 social policy”](#)

June 2020 — OCLA researcher Denis Rancourt publishes article [“All-cause mortality during COVID-19: No plague and a likely signature of mass homicide by government response”](#)

June 2020 — OCLA letter to the World Health Organization asking it to [retract its recommendation advising the use of face masks in the general population](#)

June 2020 — OCLA campaign to [oppose mandatory face masks in Ontario municipalities](#)

June 2020 — OCLA recommends [civil disobedience against mandatory masking](#)

July 2020 — OCLA publishes Prof. Joseph Audie's [criticism of the Chu et al. article used by the WHO as a basis for recommending masking in the general population](#)

August 2020 — OCLA letter in defence of [the free speech of Ontario medical doctor Kulvinder Gill](#)

August 2020 — OCLA researcher Denis Rancourt publishes article [“Face masks, lies, damn lies, and public health officials: ‘A growing body of evidence’”](#)

August 2020 — OCLA researcher Denis Rancourt publishes article [“Evaluation of the virulence of SARS-CoV-2 in France, from all-cause mortality 1946-2020”](#)

October 2020 — OCLA participates in [the Toronto rally against the Fall 2020 lockdown in Ontario](#)

October 2020 — OCLA invites [the Chairperson of the Ottawa Board of Health to participate in a public debate on Ottawa's face mask law](#)

December 2020 — OCLA researcher Denis Rancourt publishes article [“Measures do not prevent deaths, transmission is not by contact, masks provide no benefit, vaccines are inherently dangerous: Review update of recent science relevant to COVID-19 policy”](#)

2021

February 2021 — OCLA Report 2021-1: [“Analysis of the scientific basis for Ontario, Canada's mandatory face masking and physical distancing law, 2020”](#)

February 2021 — OCLA researcher Denis Rancourt publishes article [“Review of scientific reports of harms caused by face masks, up to February 2021”](#)

August 2021 — OCLA researcher Denis Rancourt publishes article [“Analysis of all-cause mortality by week in Canada 2010-2021, by province, age and sex: There was no COVID-19 pandemic, and there is strong evidence of response-caused deaths in the most elderly and in young males”](#)

August 2021 — OCLA publishes Canadian academics' [“Open Letter to the Unvaccinated”](#)

August 2021 — OCLA publishes Ontario resident Ben Weigl's report on his efforts to [have his face mask exemption recognized by a shopping mall in Windsor](#)

August 2021 — OCLA publishes statement on [the Canadian government's proposal to force injections on employees and travellers](#)

August 2021 — OCLA publishes Canadian academics' [“Open Letter to the Vaccinated”](#)

September 2021 — OCLA publishes Canadian academics' [“Open Letter to Public Health Officers”](#)

September 2021 — OCLA researcher Denis Rancourt publishes article [“Do Face Masks Reduce COVID-19 Spread in Bangladesh? Are the Abaluck et al. Results Reliable?”](#)

September 2021 — OCLA publishes scientist Dr. John Zwaagstra's article [“Vaccine concerns weighed against natural immunity”](#)

September 2021 — OCLA publishes Professor Warren Kindzierski's article [“Rapid appraisal of the usefulness of mRNA vaccines for SARS-COV-2 Delta variant infections and implications for Alberta”](#)

October 2021 — OCLA calls for [sudden deaths in Ontario to be investigated](#)

October 2021 — OCLA researcher Denis Rancourt publishes article [“Nature of the COVID-era public health disaster in the USA”](#)

November 2021 — OCLA supports Ottawa resident's efforts to [oppose a proof of vaccination requirement at the Toy Mountain Christmas Campaign](#)

November 2021 — OCLA publishes documents about [Bank of Canada data scientist's case of being placed on unpaid leave for declining vaccination](#)

November 2021 — OCLA publishes documents about [Canadian Blood Services employee's case of being terminated for declining vaccination](#)

December 2021 — OCLA publishes documents about [Bank of Canada IT employee's case of being placed on unpaid leave for declining vaccination](#)

2022

January 2022 — OCLA statement on [Analysis of Batch-Specific Toxicity of COVID-19 Vaccine Products using VAERS Data](#)

February 2022 — OCLA Report 2022-1 (ver. 1): [“Nature of the toxicity of the COVID-19 vaccines in the USA”](#)

February 2022 — OCLA statement on [the Government's Use of the Emergencies Act](#)

February 2022 — OCLA calls on MPs to [Reject the Use of the Emergencies Act to Crush Peaceful Protest at Parliament Hill](#)

March 2022 — OCLA researchers interviewed (in French) about [OCLA Report 2022-1 on the toxicity of the COVID-19 vaccines](#)

March 2022 — OCLA publishes [Bank of Canada data scientist's internal appeal of being placed on unpaid leave for declining vaccination](#) (aussi disponible en [français](#))

March 2022 — OCLA director Joseph Hickey interviewed about [the lack of scientific basis for all of the COVID measures](#)

April 2022 — OCLA statement on [the CMAJ Fisman et al. Article Claiming Disproportionate Infection Risk from Unvaccinated Population, and on Negligent Media Reporting](#)

April 2022 — OCLA's response to the Fisman et al. article published as a [Letter to the Editor on CMAJ's site](#)

April 2022 — OCLA researcher Denis Rancourt interviewed about OCLA's criticism of the Fisman et al. article on [the Trish Wood is Critical podcast](#)

May 2022 — OCLA researcher Denis Rancourt presents OCLA's criticism of the Fisman et al. article to [the Canadian Covid Care Alliance](#)

July 2022 — OCLA researcher Denis Rancourt co-authors article [“Evaluating the Effect of Lockdowns On All-Cause Mortality During the COVID Era: Lockdowns Did Not Save Lives”](#)

August 2022 — OCLA researcher Denis Rancourt co-authors article [“COVID-Period Mass Vaccination Campaign and Public Health Disaster in the USA”](#)

September 2022 — OCLA's [submission to the Public Order Emergency Commission](#) on the Canadian government's use of the *Emergencies Act* to quash peaceful protest at Parliament Hill during the Freedom Convoy in February 2022

September 2022 — OCLA Report 2022-2: [“Canadian court decisions on the constitutionality of Covid measures are invalid due to jurisdictional errors of law”](#)

October 2022 — OCLA hosts report [questioning the Canadian government's official number of “COVID deaths”](#)

October 2022 — OCLA Report 2022-3: [“State coercion to receive medical injections confirms conflicting interpretations of the right to life, liberty and security of the person \(Section 7 of the Canadian Charter of Rights and Freedoms\)”](#)

October 2022 — OCLA director Joseph Hickey and researcher Denis Rancourt interviewed (in French) about OCLA Report 2022-3 [on Tribunal de l'Infractions with Julie Levesque](#)

November 2022 — OCLA director Joseph Hickey raises constitutional issues in [appeal of denial of Employment Insurance \(EI\) benefits](#) at the Social Security Tribunal of Canada

December 2022 — OCLA hosts report [“Probable causal association between India's extraordinary April-July 2021 excess-mortality event and the vaccine rollout”](#)

December 2022 — OCLA hosts Registered Nurse Andrew Brannan's [letter to the CEO of the Registered Nurses' Association of Ontario](#) opposing action campaign for renewed mask mandates

December 2022 — OCLA hosts an important [Social Security Tribunal of Canada decision](#) finding that an employee's personal decision not to receive a COVID vaccination does not constitute “misconduct” barring the employee from receiving Employment Insurance benefits.

December 2022 — OCLA hosts report [“Probable causal association between Australia's new regime of high all-cause mortality and its COVID-19 vaccine rollout”](#)

2023

February 2023 — OCLA hosts report [“Age-stratified COVID-19 vaccine-dose fatality rate for Israel and Australia”](#)

March 2023 — OCLA report [“The Court of Appeal for Ontario's decision in *J.N. v. C.G.* brings the province's appellate judiciary into disrepute”](#)

May 2023 — OCLA director Joseph Hickey files [leave to appeal request](#) of the Social Security Tribunal (General Division)'s decision not to hear his constitutional challenge of the “misconduct” provisions of the Employment Insurance Act.

September 2023 — OCLA hosts report [“COVID-19 vaccine-associated mortality in the Southern Hemisphere”](#)

October 2023 — OCLA hosts report [“Quantitative evaluation of whether the Nobel-Prize-winning COVID-19 vaccine actually saved millions of lives”](#)

November 2023 — OCLA hosts report [“Fisman et al.’s \$\Psi\$ index is ill-defined and leads to absurd interpretations”](#)

2024

April 2024 — OCLA hosts report [“Comment on ‘Impact of immune evasion, waning and boosting on dynamics of population mixing between a vaccinated majority and unvaccinated minority’ by Fisman et al. \(2024\): Incorrect definition and application of a parameter \$\psi\$ ”](#)

July 2024 — OCLA hosts report [“Spatiotemporal variation of excess all-cause mortality in the world \(125 countries\) during the Covid period 2020-2023 regarding socio economic factors and public-health and medical interventions”](#)

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